

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051024\
 Data File : VX041450.D
 Acq On : 10 May 2024 10:59
 Operator : JC/MD
 Sample : P2409-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2024-04

Quant Time: May 10 23:26:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM050924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 10 23:16:04 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/13/2024
 Supervised By : Mahesh Dadoda 05/13/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	285746	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	244931	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	133219	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	80595	49.731	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.460%		
7) Chloroethane-d5	1.648	69	57211	48.116	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.240%		
11) 1,1-Dichloroethene-d2	2.294	65	32633	40.008	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	80.020%		
21) 2-Butanone-d5	4.458	46	135862	112.448	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	112.450%		
24) Chloroform-d	5.050	84	174868	48.795	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.600%		
26) 1,2-Dichloroethane-d4	5.952	65	116614	45.234	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.460%		
32) Benzene-d6	5.964	84	333521	49.844	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.680%		
36) 1,2-Dichloropropane-d6	7.305	67	104443	52.532	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	105.060%		
41) Toluene-d8	8.647	98	301240	43.588	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.180%		
43) trans-1,3-Dichloroprop...	8.951	79	44838	45.015	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.040%		
47) 2-Hexanone-d5	9.384	63	91883	99.177	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.180%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	152730	48.813	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.620%		
66) 1,2-Dichlorobenzene-d4	12.317	152	135053	49.614	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3621	1.841	ug/L	96
3) Chloromethane	1.300	50	3394	2.023	ug/L	98
5) Vinyl chloride	1.374	62	3872	2.240	ug/L #	68
6) Bromomethane	1.599	94	2280	1.893	ug/L	98
8) Chloroethane	1.666	64	2308m	2.332	ug/L	
9) Trichlorofluoromethane	1.867	101	5364	1.763	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	3965	2.121	ug/L #	79
12) 1,1-Dichloroethene	2.312	96	3394	2.044	ug/L #	1
13) Acetone	2.386	43	4576	3.689	ug/L	98
14) Carbon disulfide	2.501	76	5348	1.336	ug/L	97
15) Methyl Acetate	2.709	43	3627	1.732	ug/L	99
16) Methylene chloride	2.782	84	3631	1.971	ug/L	93
17) trans-1,2-Dichloroethene	3.081	96	2705	1.585	ug/L	90
18) Methyl tert-butyl Ether	3.111	73	9157	1.573	ug/L	97
19) 1,1-Dichloroethane	3.605	63	5325	1.686	ug/L	94
20) cis-1,2-Dichloroethene	4.483	96	3865	1.962	ug/L	91
22) 2-Butanone	4.580	43	6512m	4.204	ug/L	
23) Bromochloromethane	4.910	128	1940	1.851	ug/L	78
27) 1,2-Dichloroethane	6.092	62	5657	1.990	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.470	56	5248	1.927	ug/L	96
30) 1,1,1-Trichloroethane	5.379	97	5352	1.856	ug/L #	88
31) Carbon tetrachloride	5.678	117	4385	1.713	ug/L #	77
33) Benzene	6.037	78	13172	1.922	ug/L	100
35) Methylcyclohexane	7.373	83	5378	1.849	ug/L	97
37) 1,2-Dichloropropane	7.433	63	3407	1.974	ug/L #	89
38) Bromodichloromethane	7.824	83	4064	1.742	ug/L	93
39) cis-1,3-Dichloropropene	8.366	75	4702	1.645	ug/L	96
40) 4-Methyl-2-pentanone	8.580	43	9310	3.352	ug/L	100
42) Toluene	8.720	91	14316	1.914	ug/L	96
44) trans-1,3-Dichloropropene	8.982	75	4873	1.828	ug/L	96
45) 1,1,2-Trichloroethane	9.153	97	3417	1.791	ug/L	95
46) Tetrachloroethene	9.275	164	3242	1.805	ug/L	94
48) 2-Hexanone	9.433	43	9061	4.072	ug/L	97
49) Dibromochloromethane	9.518	129	3011	1.561	ug/L	97
50) 1,2-Dibromoethane	9.610	107	3652	1.839	ug/L	94
51) Chlorobenzene	10.079	112	9326	1.870	ug/L	99
52) Ethylbenzene	10.195	91	14246	1.736	ug/L	97
53) m,p-Xylene	10.305	106	5389	1.642	ug/L	98
54) o-Xylene	10.640	106	5066	1.515	ug/L	86
55) Styrene	10.659	104	7476	1.338	ug/L	90
57) 1,1,2,2-Tetrachloroethane	11.213	83	6580	2.078	ug/L #	97
59) Bromoform	10.799	173	2164	1.388	ug/L #	89
60) Isopropylbenzene	10.963	105	13382	1.646	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	4332	1.902	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	8965	1.633	ug/L	97
63) 1,2,4-Trimethylbenzene	11.756	105	11115	1.671	ug/L	96
64) 1,3-Dichlorobenzene	11.969	146	7667	1.854	ug/L	92
67) 1,2-Dichlorobenzene	12.335	146	8413	1.965	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	1043	1.702	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.115	180	5258	1.704	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	4508	1.600	ug/L	97
71) Naphthalene	13.780	128	11150	1.325	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	4720	1.606	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

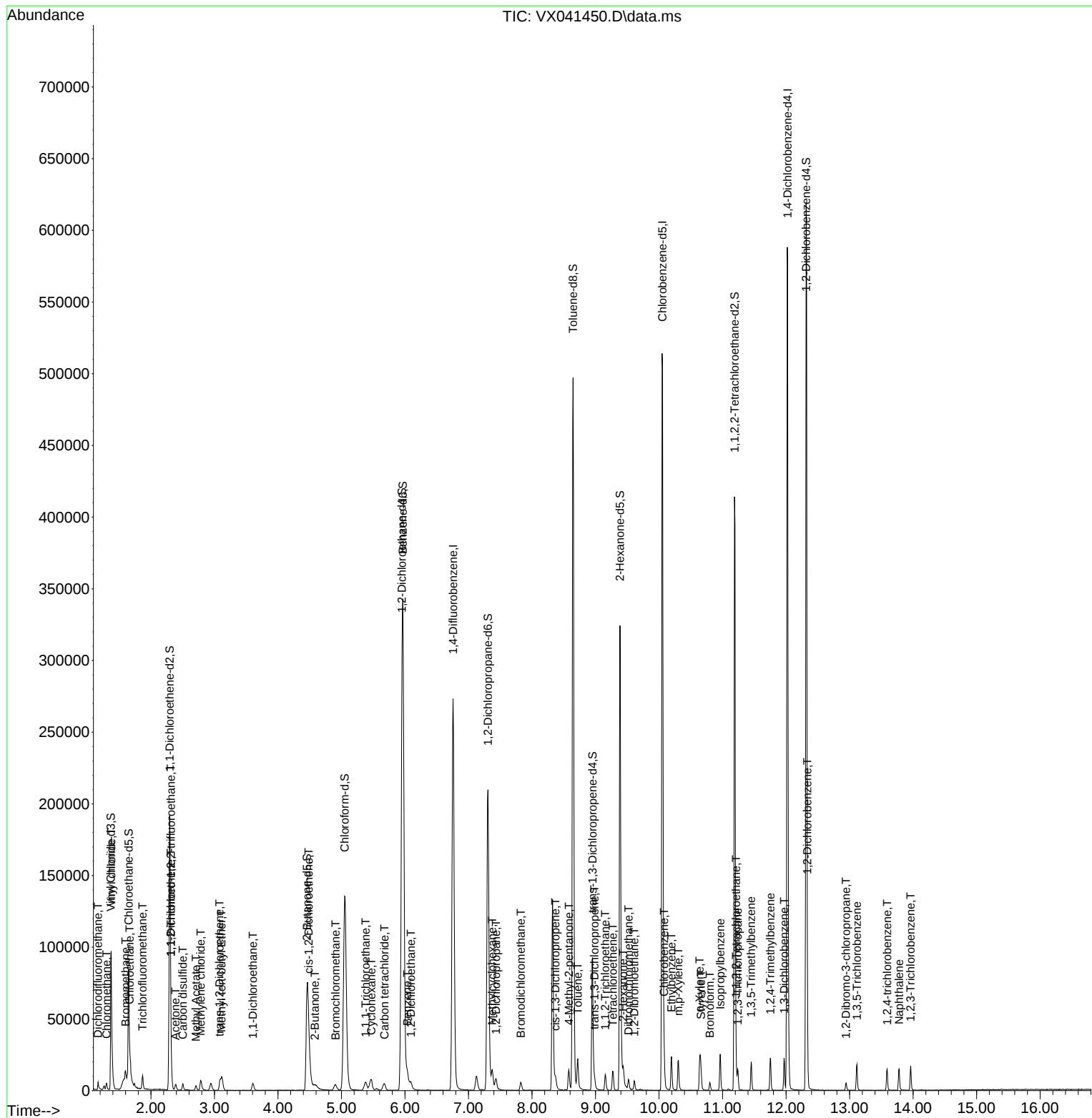
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051024\
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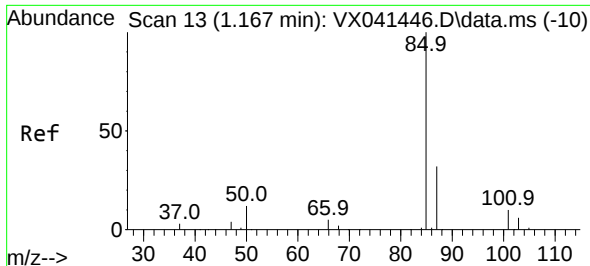
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2024-04

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APPROVED

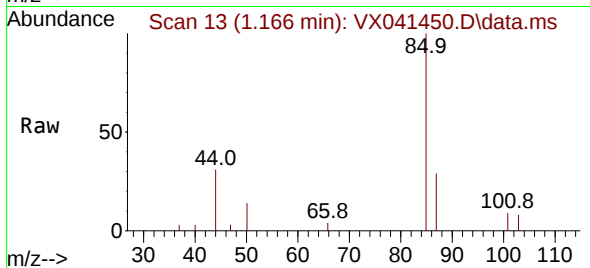
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024





#2
Dichlorodifluoromethane
Concen: 1.841 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

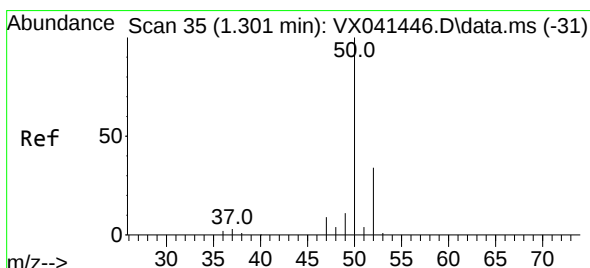
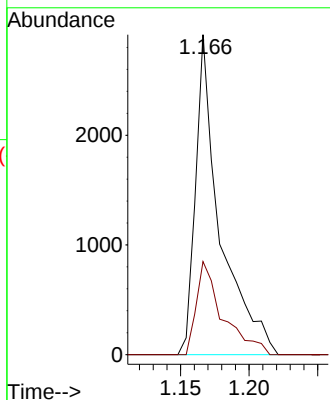
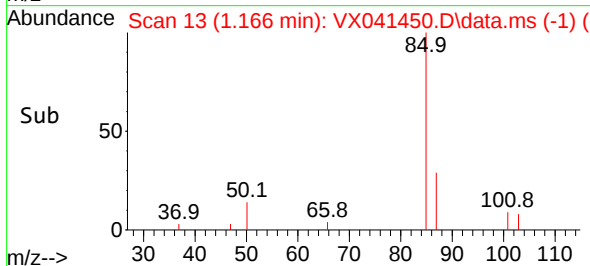
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2024-04



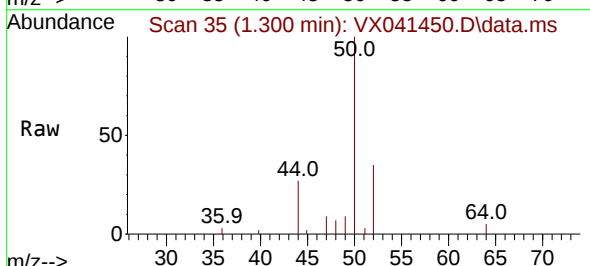
Tgt Ion: 85 Resp: 362
Ion Ratio Lower Upper
85 100
87 30.4 26.2 39.2

Manual Integrations
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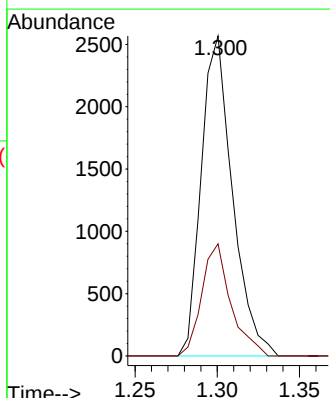
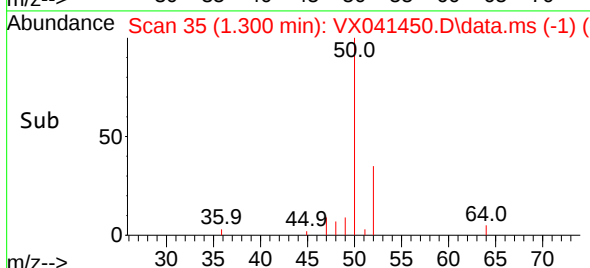
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024

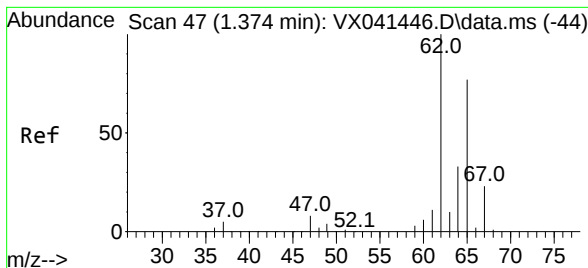


#3
Chloromethane
Concen: 2.023 ug/L
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59



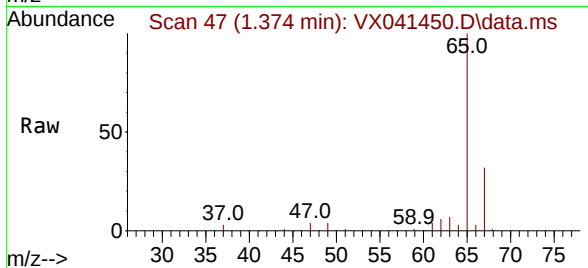
Tgt Ion: 50 Resp: 3394
Ion Ratio Lower Upper
50 100
52 35.0 23.7 44.1





#5
 Vinyl chloride
 Concen: 2.240 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX041450.D
 Acq: 10 May 2024 10:59

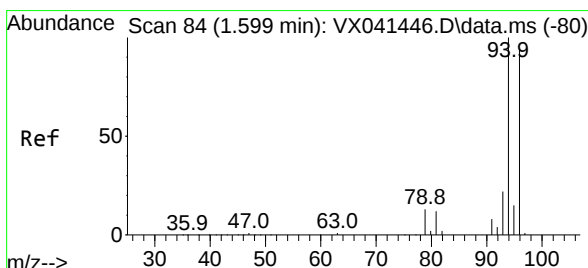
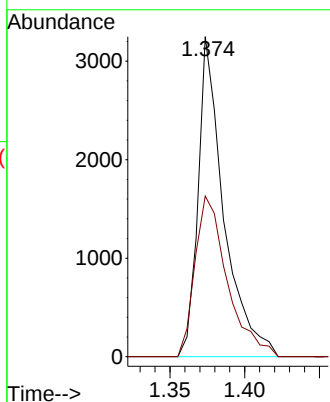
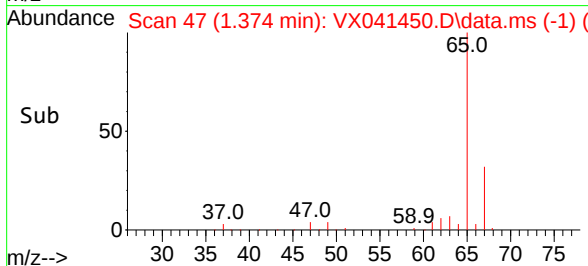
Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT2-2024-04



Tgt Ion: 62 Resp: 3872
 Ion Ratio Lower Upper
 62 100
 64 50.2 22.7 42.1

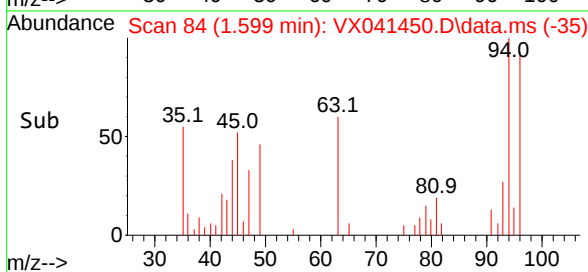
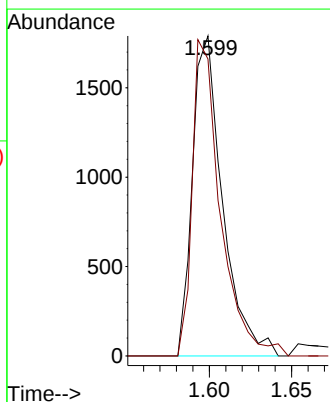
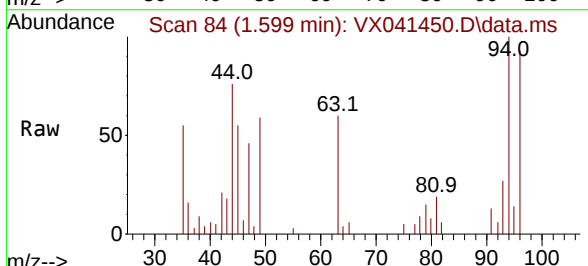
Manual Integrations
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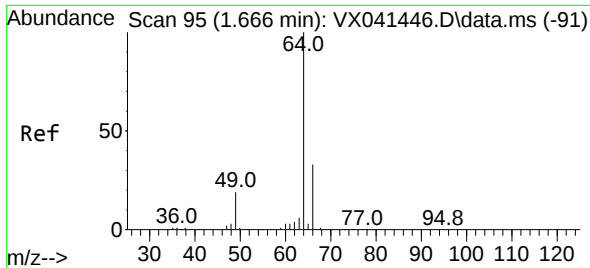
Reviewed By :John Carlone 05/13/2024
 Supervised By :Mahesh Dadoda 05/13/2024



#6
 Bromomethane
 Concen: 1.893 ug/L
 RT: 1.599 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VX041450.D
 Acq: 10 May 2024 10:59

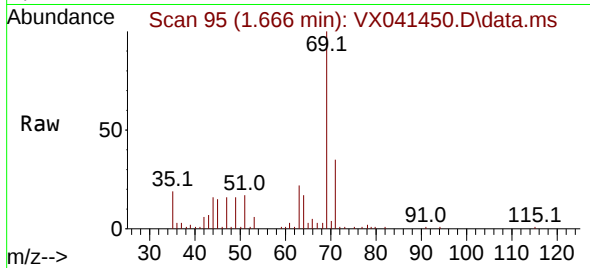
Tgt Ion: 94 Resp: 2280
 Ion Ratio Lower Upper
 94 100
 96 92.8 66.6 123.8





#8
Chloroethane
Concen: 2.332 ug/L m
RT: 1.666 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

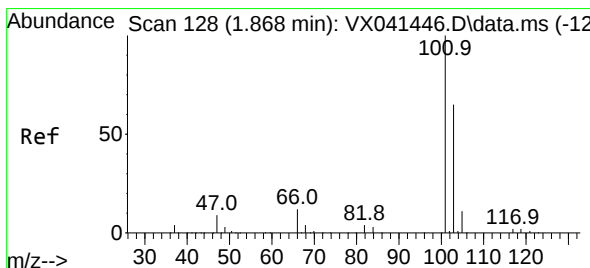
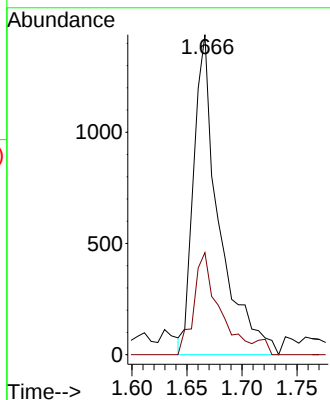
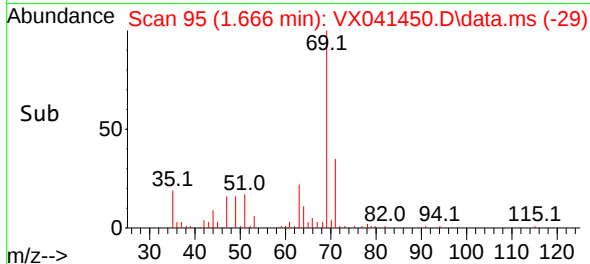
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2024-04



Tgt Ion: 64 Resp: 2308
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.9

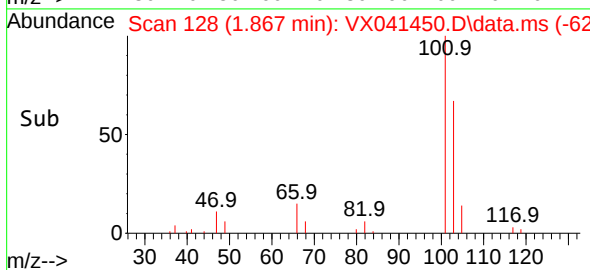
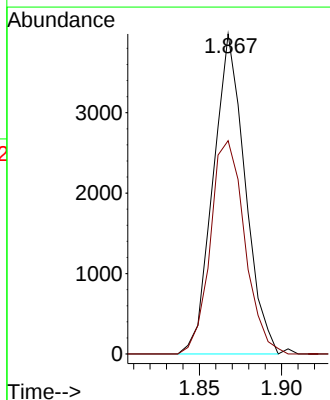
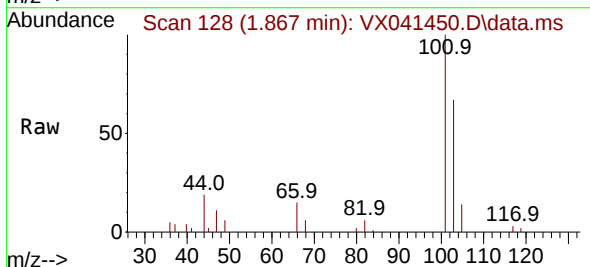
Manual Integrations
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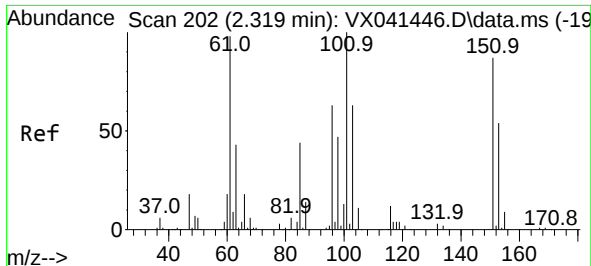
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024



#9
Trichlorofluoromethane
Concen: 1.763 ug/L
RT: 1.867 min Scan# 128
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

Tgt Ion:101 Resp: 5364
Ion Ratio Lower Upper
101 100
103 71.9 51.7 77.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.121 ug/L

RT: 2.312 min Scan# 201

Delta R.T. -0.006 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2024-04

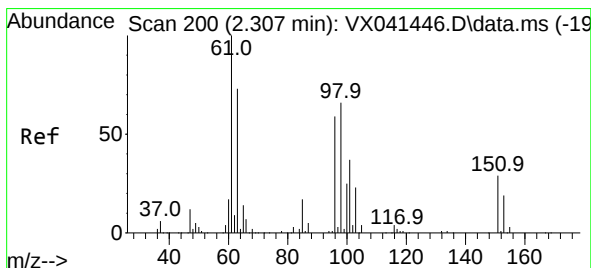
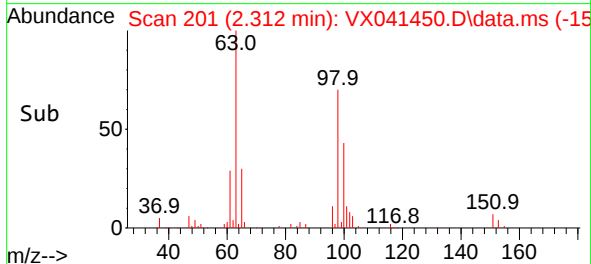
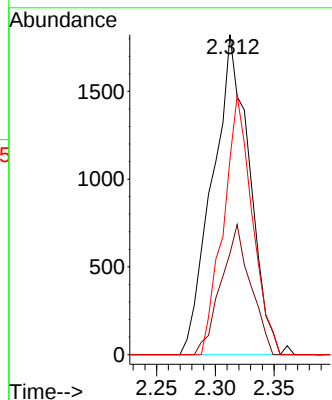
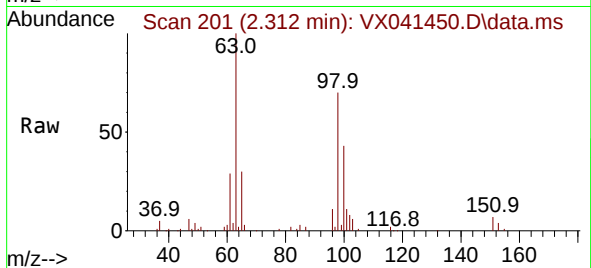
Tgt Ion:101	Resp:	396
Ion Ratio	Lower	Upper
101	100	
85	32.7	33.4 50.2
151	63.7	68.7 103.1

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 2.044 ug/L

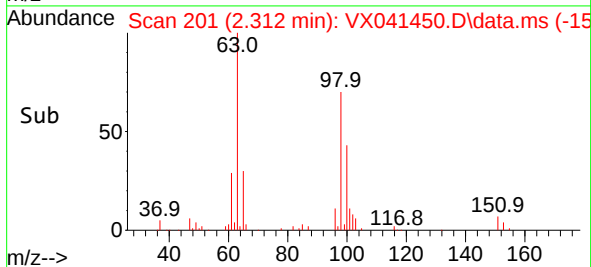
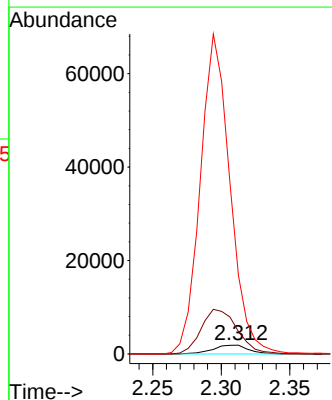
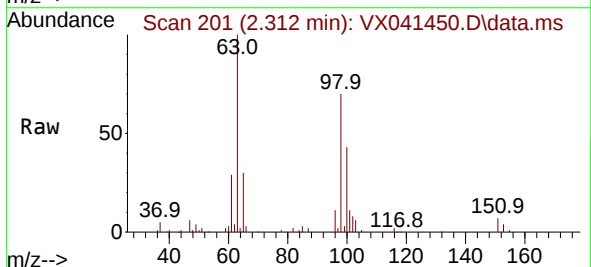
RT: 2.312 min Scan# 201

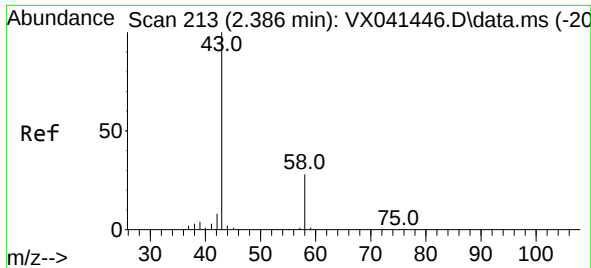
Delta R.T. 0.006 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Tgt Ion: 96	Resp:	3394
Ion Ratio	Lower	Upper
96	100	
61	255.7	119.3 221.7#
63	894.8	100.0 185.8#





#13

Acetone

Concen: 3.689 ug/L

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2024-04

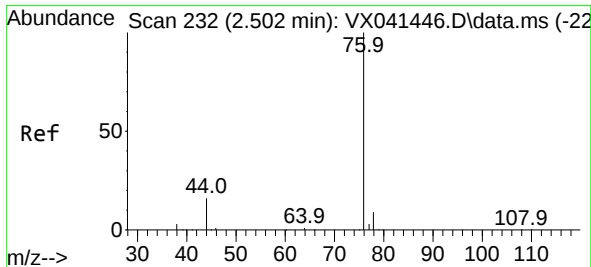
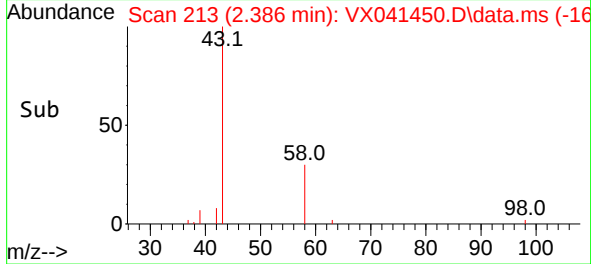
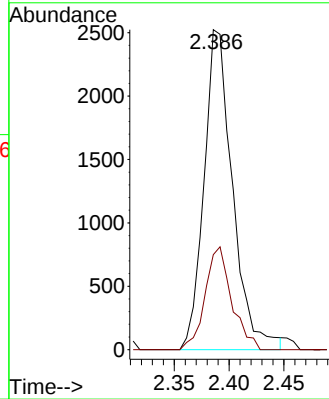
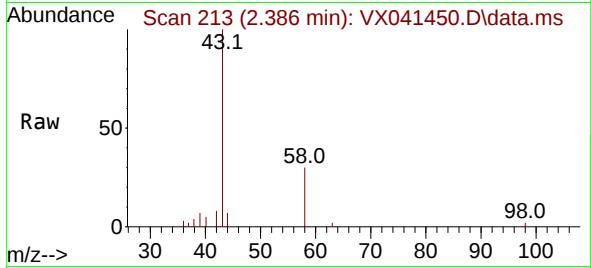
Tgt Ion: 43 Resp: 4570
 Ion Ratio Lower Upper
 43 100
 58 29.8 0.0 58.0

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#14

Carbon disulfide

Concen: 1.336 ug/L

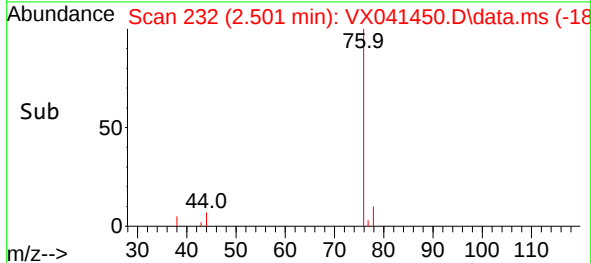
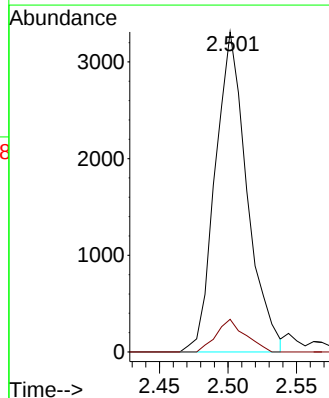
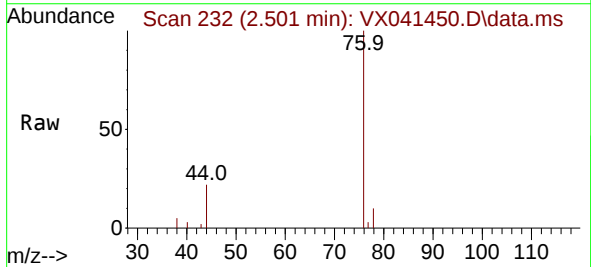
RT: 2.501 min Scan# 232

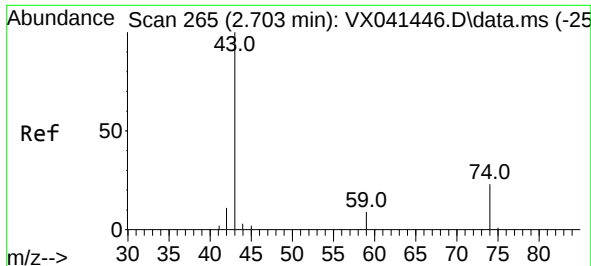
Delta R.T. -0.000 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Tgt Ion: 76 Resp: 5348
 Ion Ratio Lower Upper
 76 100
 78 10.2 7.3 10.9





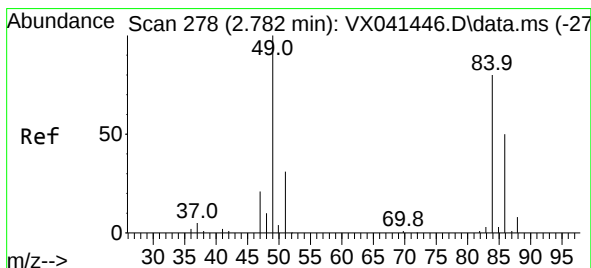
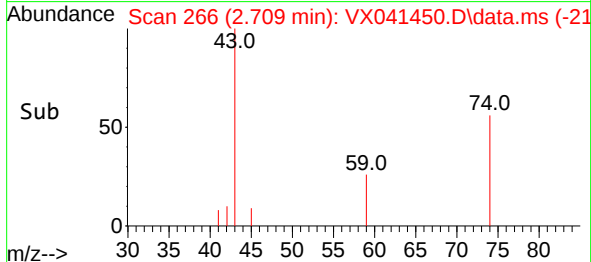
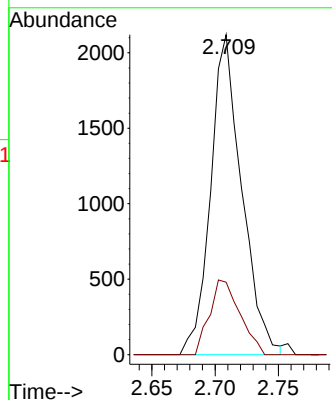
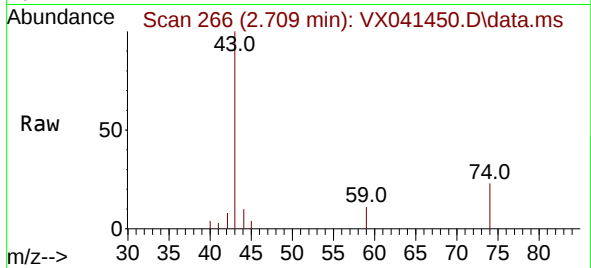
#15
Methyl Acetate
Concen: 1.732 ug/L
RT: 2.709 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2024-04

Tgt Ion: 43 Resp: 362
Ion Ratio Lower Upper
43 100
74 22.7 18.5 27.7

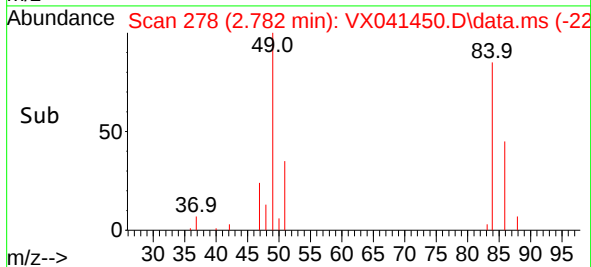
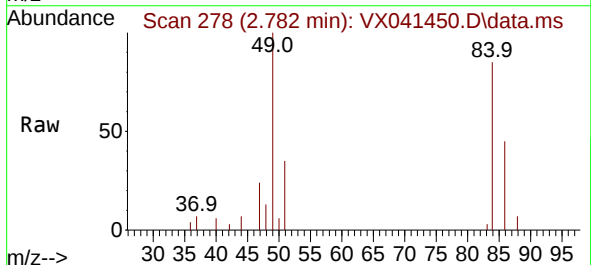
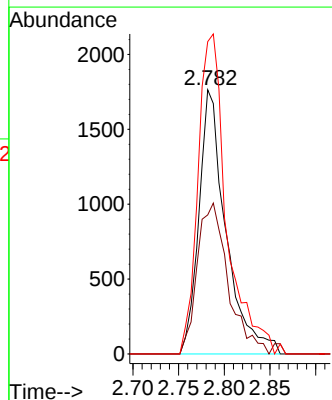
Manual Integrations
APPROVED

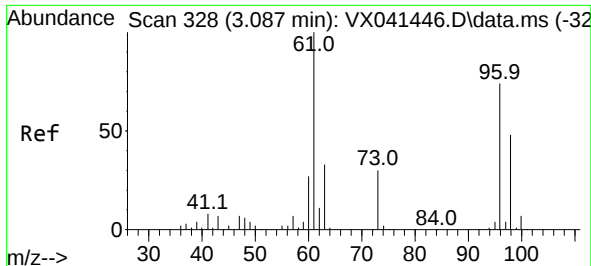
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024



#16
Methylene chloride
Concen: 1.971 ug/L
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

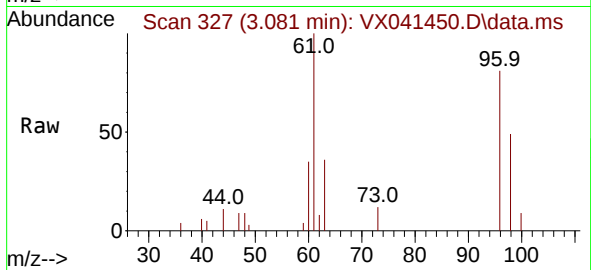
Tgt Ion: 84 Resp: 3631
Ion Ratio Lower Upper
84 100
86 52.7 44.9 83.5
49 118.3 85.5 158.7





#17
trans-1,2-Dichloroethene
Concen: 1.585 ug/L
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

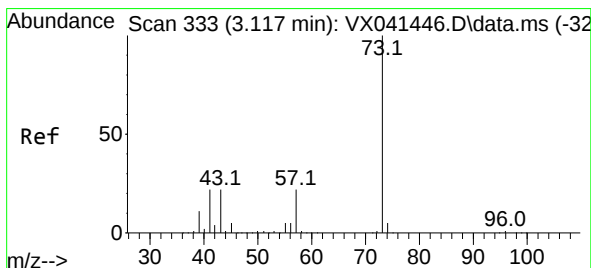
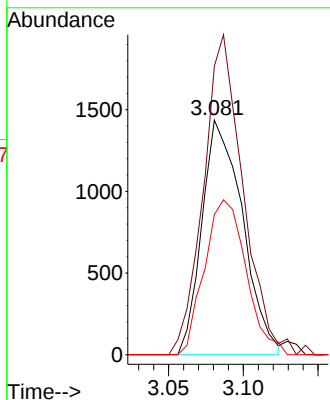
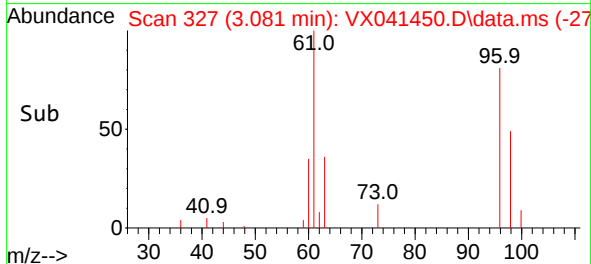
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2024-04



Tgt Ion: 96 Resp: 270
Ion Ratio Lower Upper
96 100
61 123.0 95.8 177.8
98 59.7 44.9 83.5

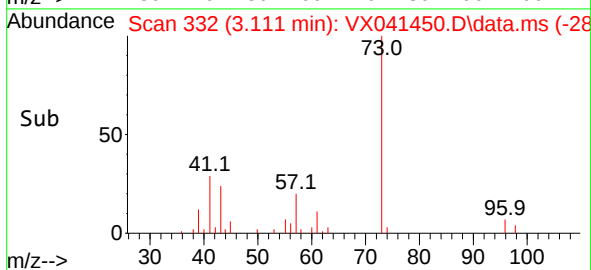
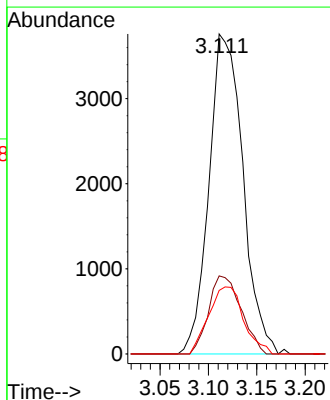
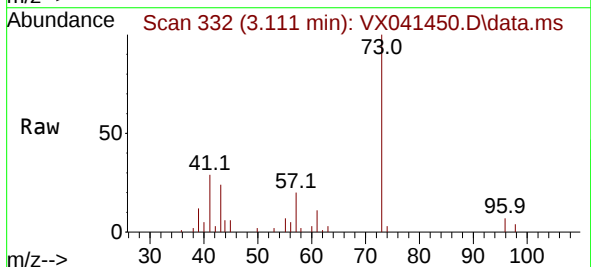
Manual Integrations
APPROVED

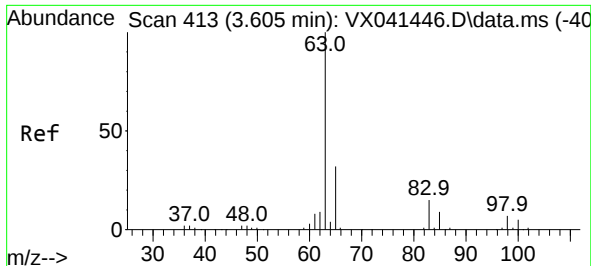
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024



#18
Methyl tert-butyl Ether
Concen: 1.573 ug/L
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

Tgt Ion: 73 Resp: 9157
Ion Ratio Lower Upper
73 100
43 23.4 17.4 26.0
57 21.6 16.7 25.1





#19

1,1-Dichloroethane

Concen: 1.686 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2024-04

Tgt Ion: 63 Resp: 532

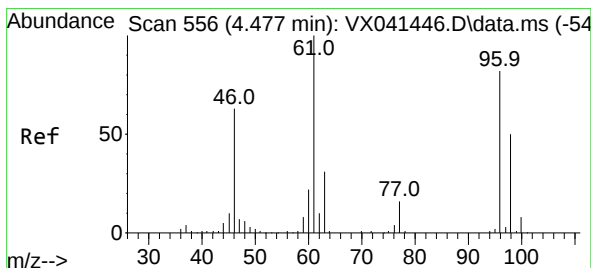
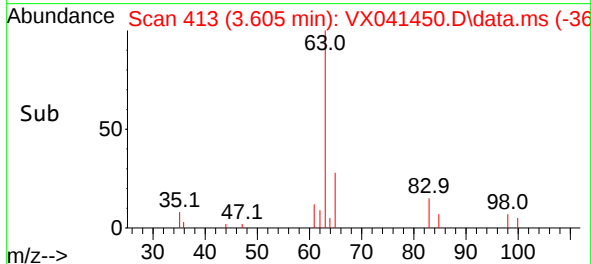
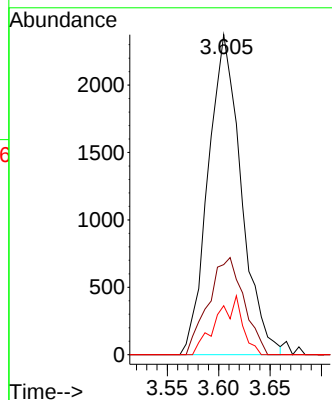
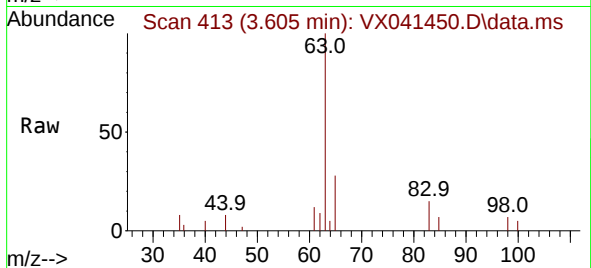
Ion	Ratio	Lower	Upper
63	100		
65	28.1	22.3	41.5
83	15.3	9.5	17.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/13/2024

Supervised By :Mahesh Dadoda 05/13/2024



#20

cis-1,2-Dichloroethene

Concen: 1.962 ug/L

RT: 4.483 min Scan# 557

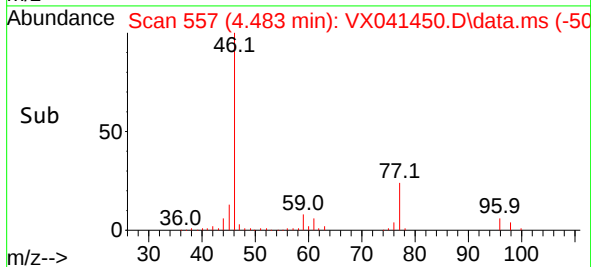
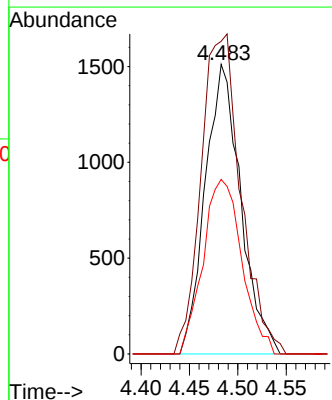
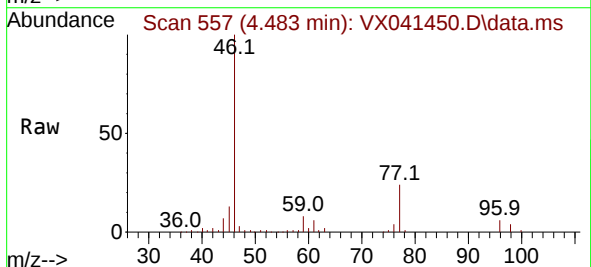
Delta R.T. 0.006 min

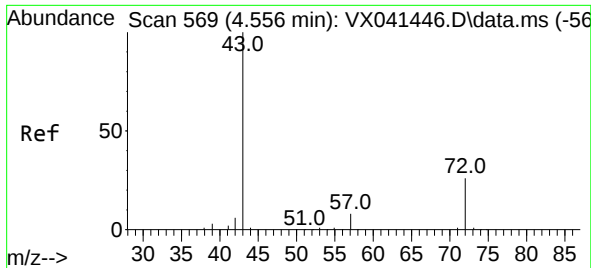
Lab File: VX041450.D

Acq: 10 May 2024 10:59

Tgt Ion: 96 Resp: 3865

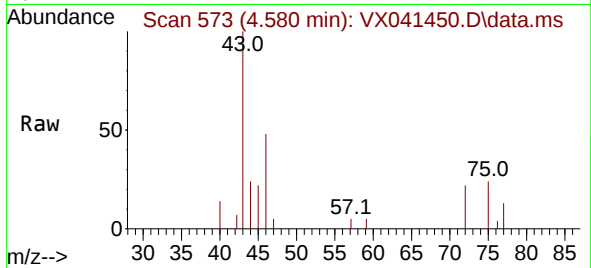
Ion	Ratio	Lower	Upper
96	100		
61	108.0	85.5	158.9
98	60.3	43.0	80.0





#22
2-Butanone
Concen: 4.204 ug/L m
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

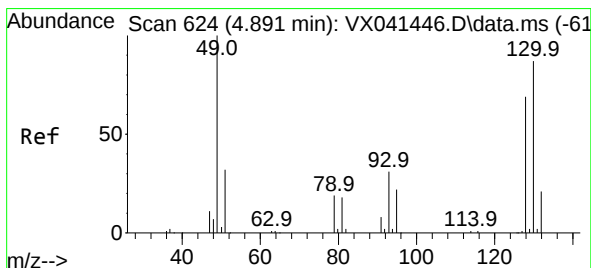
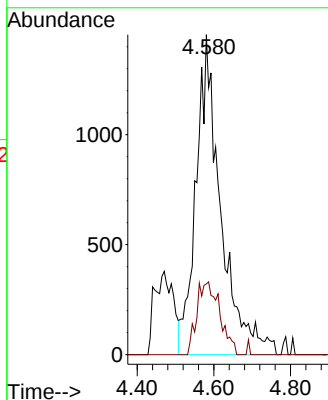
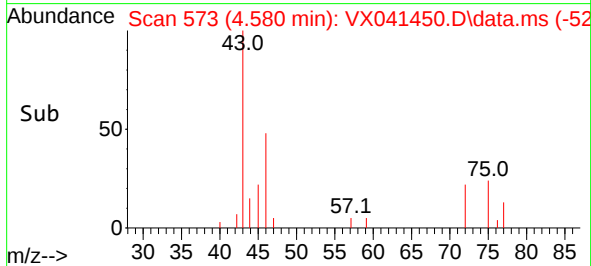
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2024-04



Tgt Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
72 2.9 12.4 37.4

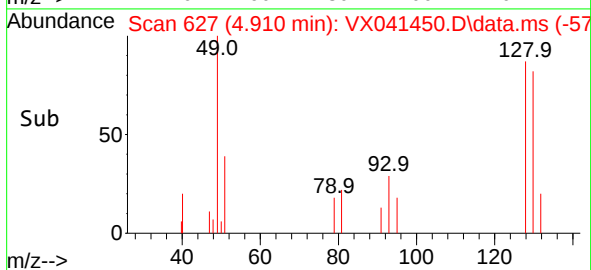
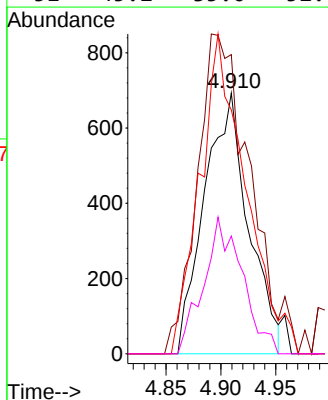
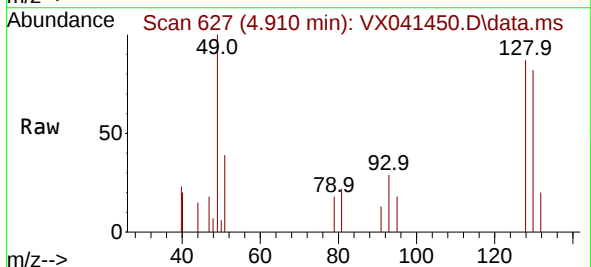
Manual Integrations
APPROVED

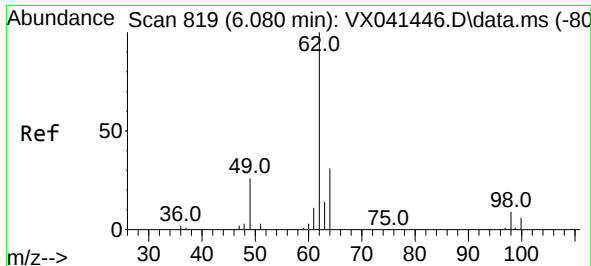
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024



#23
Bromochloromethane
Concen: 1.851 ug/L
RT: 4.910 min Scan# 627
Delta R.T. 0.018 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

Tgt Ion:128 Resp: 1940
Ion Ratio Lower Upper
128 100
49 114.7 97.7 181.5
130 93.5 90.5 168.1
51 45.2 35.0 52.4





#27

1,2-Dichloroethane

Concen: 1.990 ug/L

RT: 6.092 min Scan# 819

Delta R.T. 0.012 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2024-04

Tgt Ion: 62 Resp: 565

Ion Ratio Lower Upper

62 100

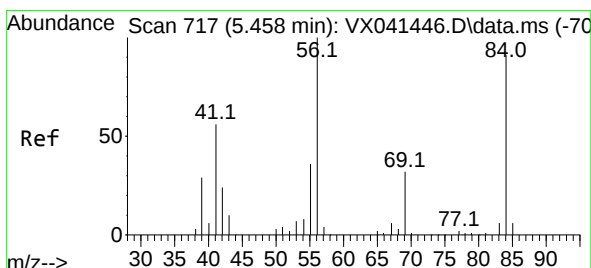
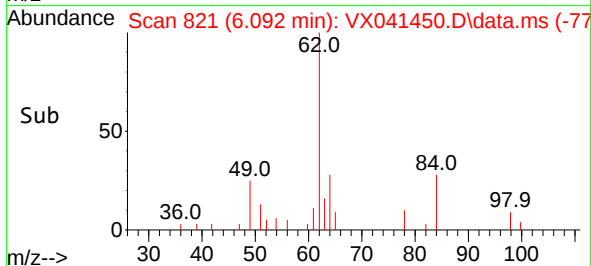
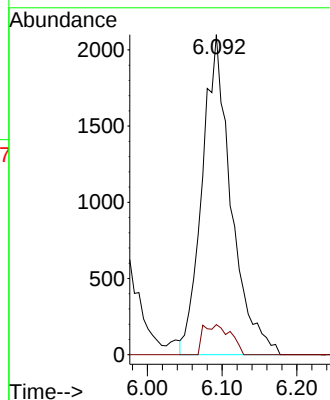
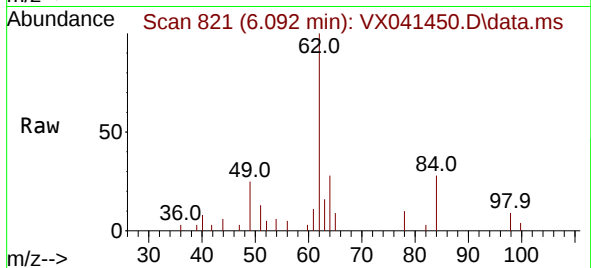
98 9.4 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/13/2024

Supervised By :Mahesh Dadoda 05/13/2024



#29

Cyclohexane

Concen: 1.927 ug/L

RT: 5.470 min Scan# 719

Delta R.T. 0.012 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

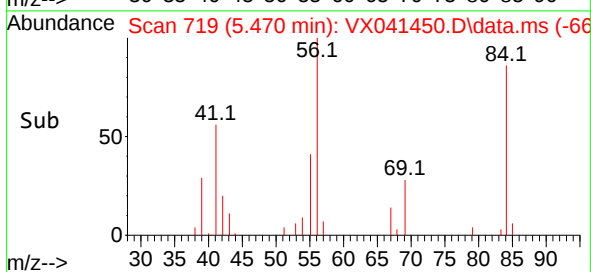
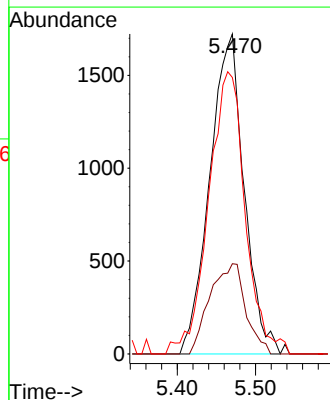
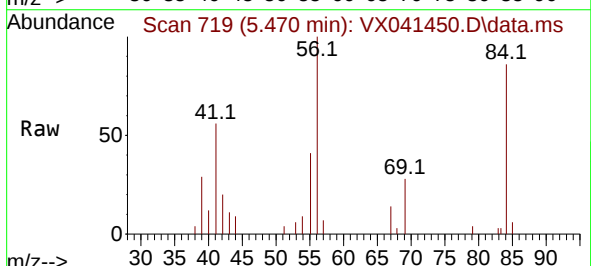
Tgt Ion: 56 Resp: 5248

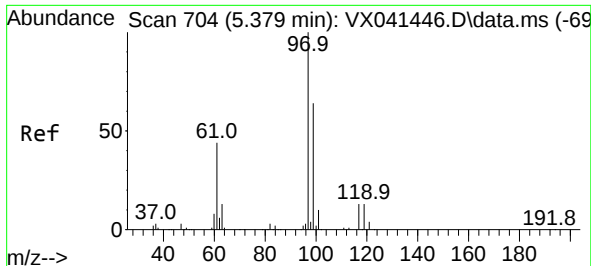
Ion Ratio Lower Upper

56 100

69 29.3 25.0 37.6

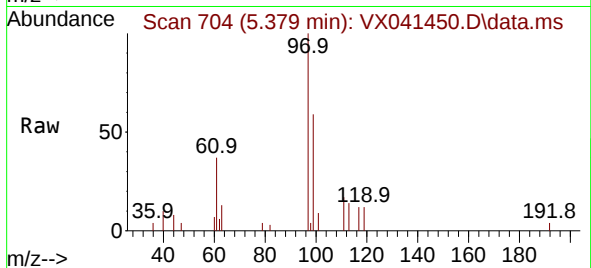
84 87.6 73.3 109.9





#30
1,1,1-Trichloroethane
Concen: 1.856 ug/L
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

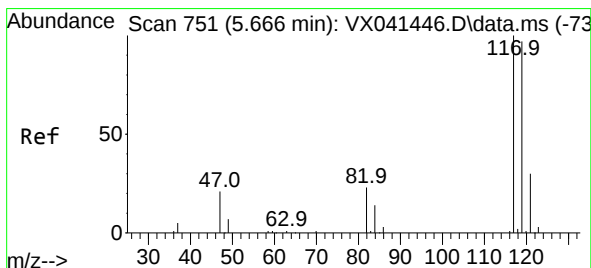
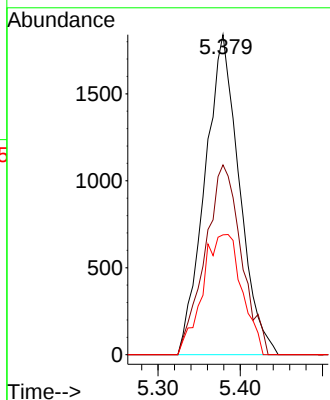
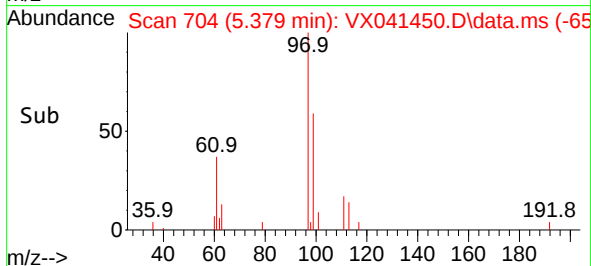
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2024-04



Tgt Ion: 97 Resp: 5352
Ion Ratio Lower Upper
97 100
99 62.7 52.2 78.2
61 27.7 34.6 51.8

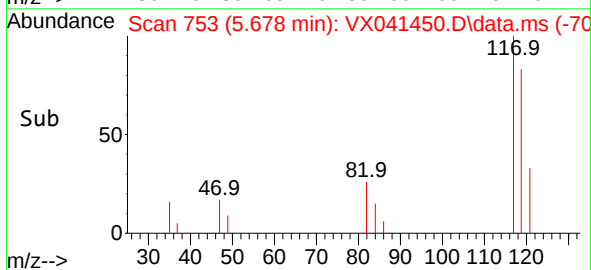
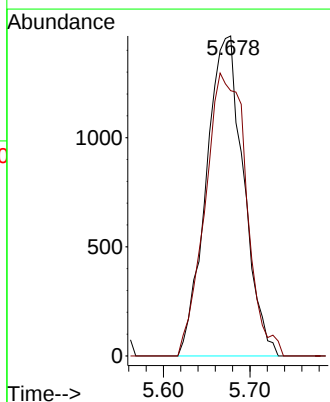
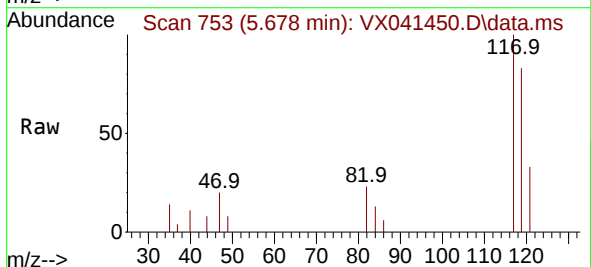
Manual Integrations
APPROVED

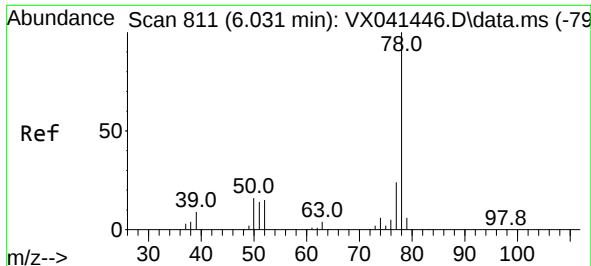
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024



#31
Carbon tetrachloride
Concen: 1.713 ug/L
RT: 5.678 min Scan# 753
Delta R.T. 0.012 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

Tgt Ion:117 Resp: 4385
Ion Ratio Lower Upper
117 100
119 72.8 76.3 114.5





#33

Benzene

Concen: 1.922 ug/L

RT: 6.037 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2024-04

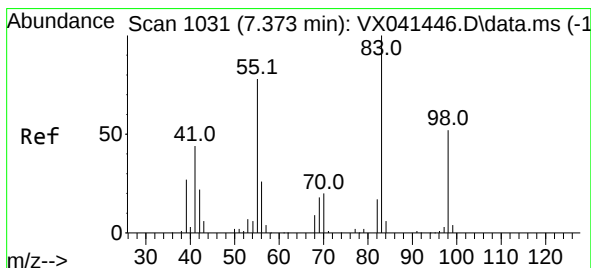
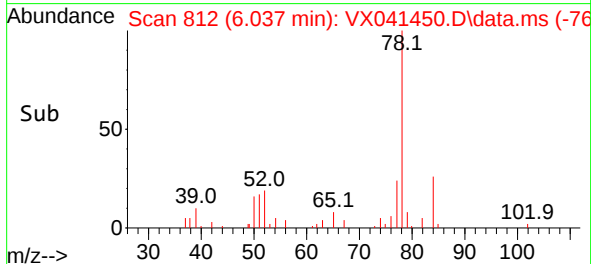
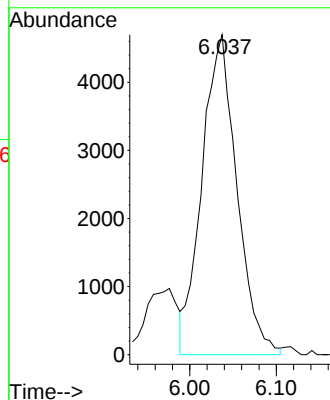
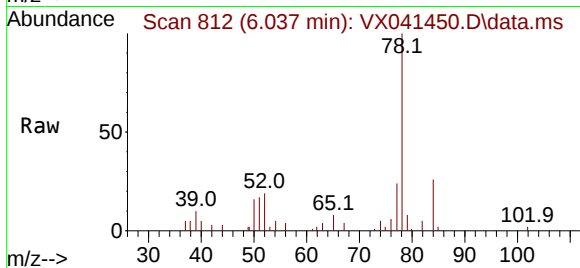
Tgt Ion: 78 Resp: 1317

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/13/2024

Supervised By :Mahesh Dadoda 05/13/2024



#35

Methylcyclohexane

Concen: 1.849 ug/L

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

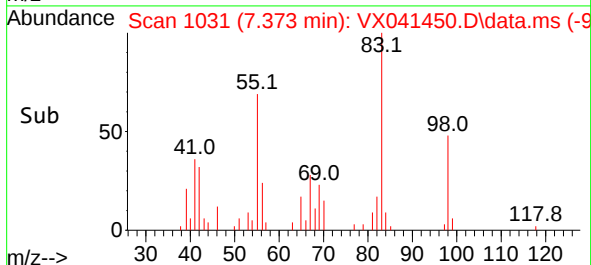
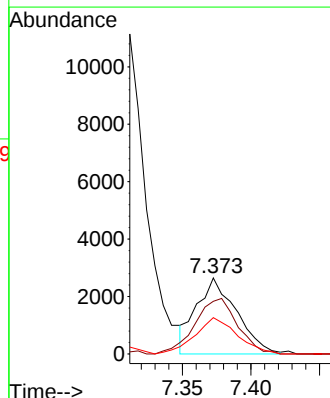
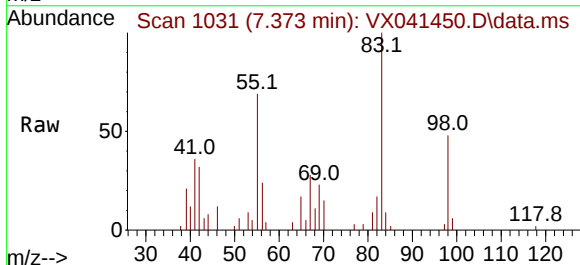
Tgt Ion: 83 Resp: 5378

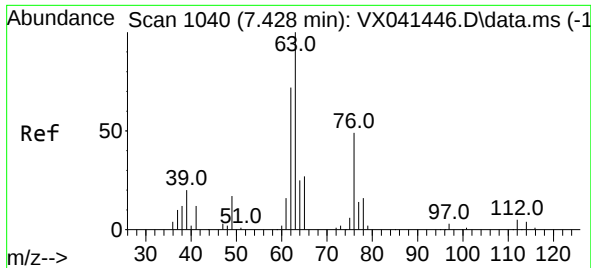
Ion Ratio Lower Upper

83 100

55 77.5 59.0 88.4

98 50.1 40.8 61.2





#37

1,2-Dichloropropane

Concen: 1.974 ug/L

RT: 7.433 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2024-04

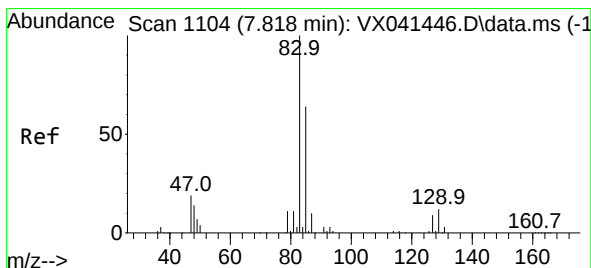
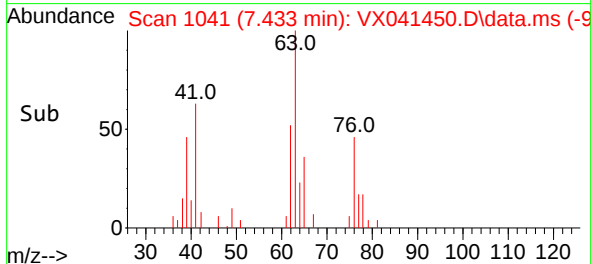
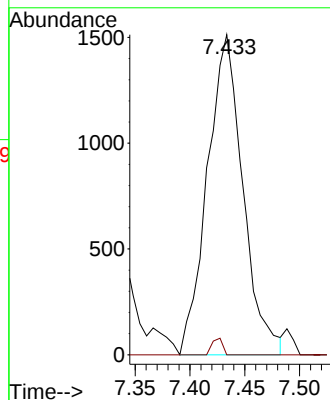
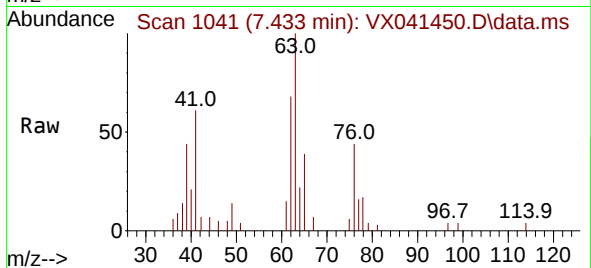
Tgt Ion: 63 Resp: 340
 Ion Ratio Lower Upper
 63 100
 112 1.5 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/13/2024

Supervised By :Mahesh Dadoda 05/13/2024



#38

Bromodichloromethane

Concen: 1.742 ug/L

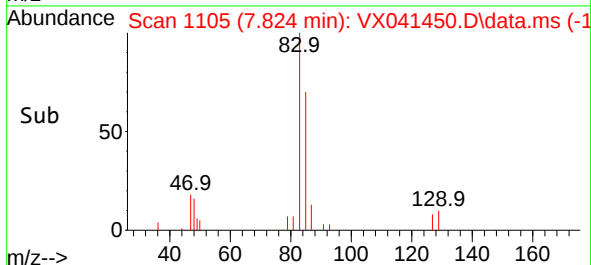
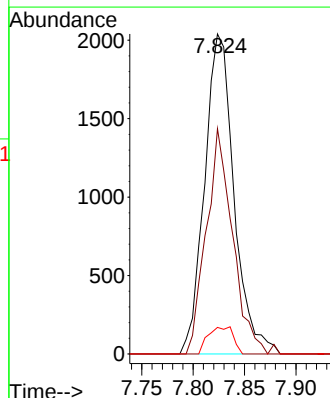
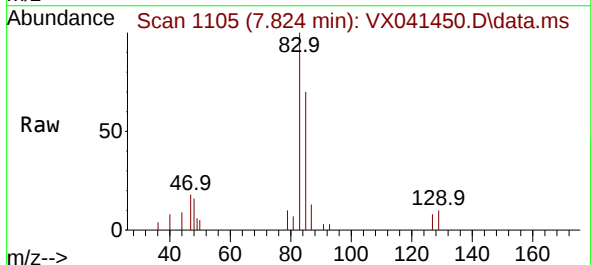
RT: 7.824 min Scan# 1105

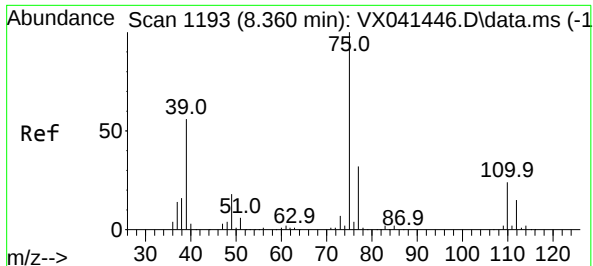
Delta R.T. 0.006 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Tgt Ion: 83 Resp: 4064
 Ion Ratio Lower Upper
 83 100
 85 70.4 44.7 83.1
 127 8.3 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 1.645 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2024-04

Tgt Ion: 75 Resp: 4702

Ion Ratio Lower Upper

75 100

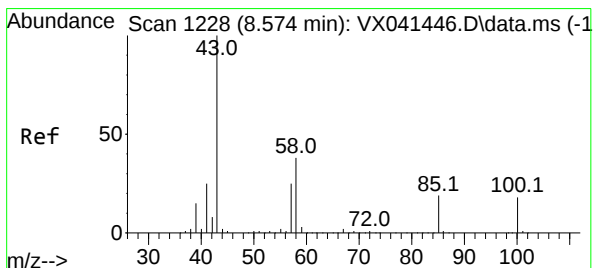
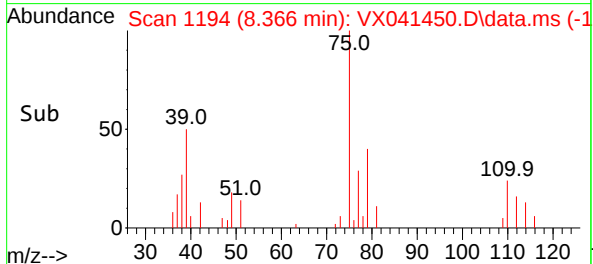
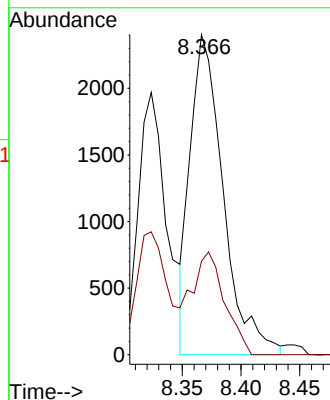
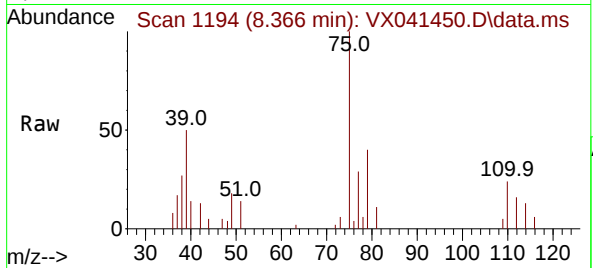
77 29.2 21.8 40.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/13/2024

Supervised By :Mahesh Dadoda 05/13/2024



#40

4-Methyl-2-pentanone

Concen: 3.352 ug/L

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

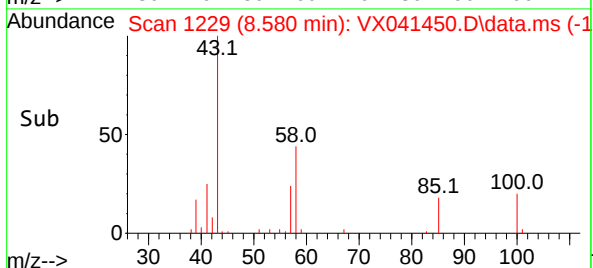
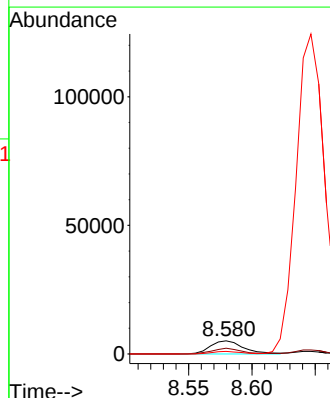
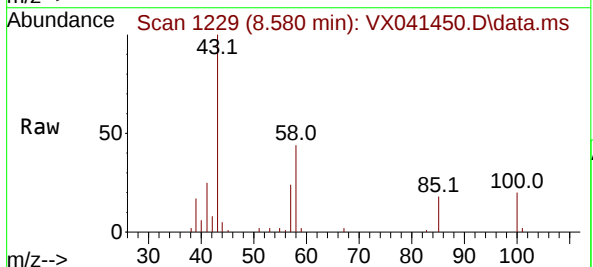
Tgt Ion: 43 Resp: 9310

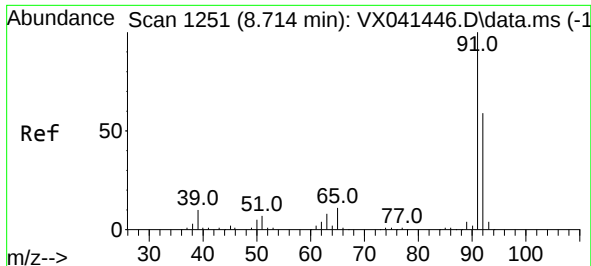
Ion Ratio Lower Upper

43 100

58 38.8 30.9 46.3

100 16.8 13.6 20.4





#42

Toluene

Concen: 1.914 ug/L

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2024-04

Tgt Ion: 91 Resp: 14310

Ion Ratio Lower Upper

91 100

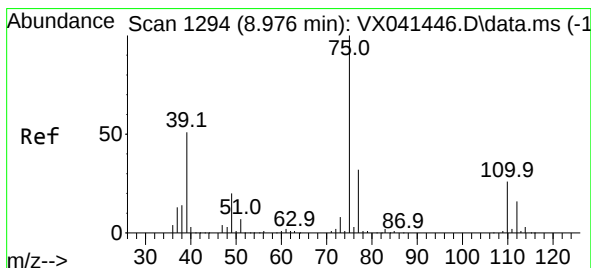
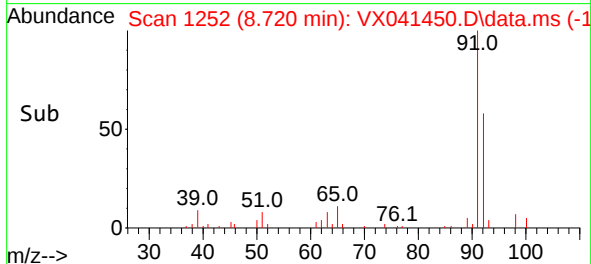
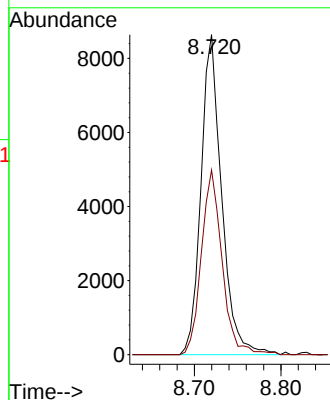
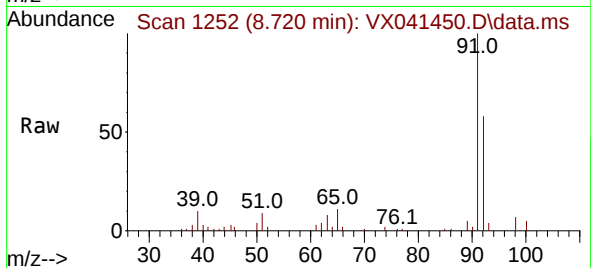
92 57.7 42.4 78.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/13/2024

Supervised By :Mahesh Dadoda 05/13/2024



#44

trans-1,3-Dichloropropene

Concen: 1.828 ug/L

RT: 8.982 min Scan# 1295

Delta R.T. 0.006 min

Lab File: VX041450.D

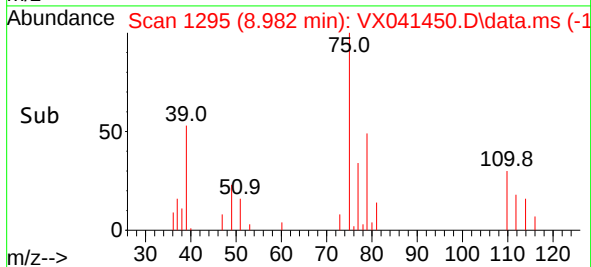
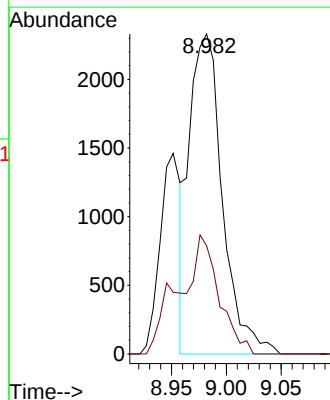
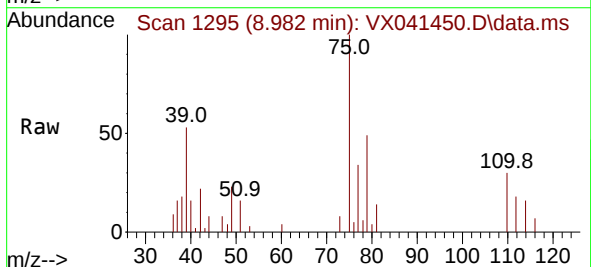
Acq: 10 May 2024 10:59

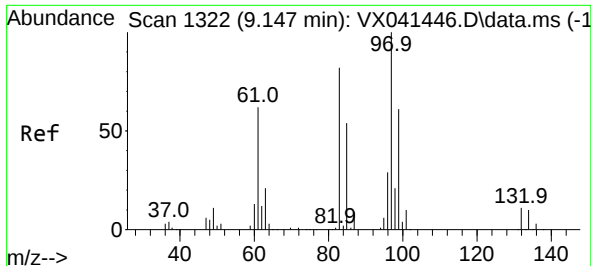
Tgt Ion: 75 Resp: 4873

Ion Ratio Lower Upper

75 100

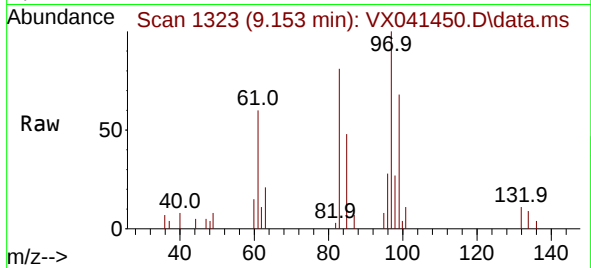
77 33.8 22.3 41.3





#45
1,1,2-Trichloroethane
Concen: 1.791 ug/L
RT: 9.153 min Scan# 1322
Delta R.T. 0.006 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

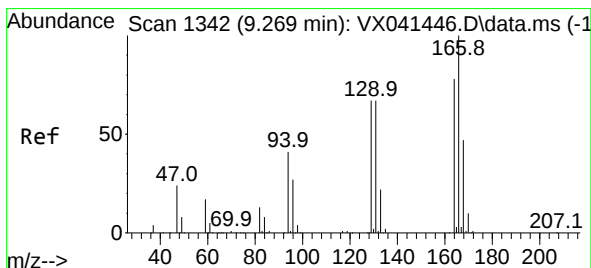
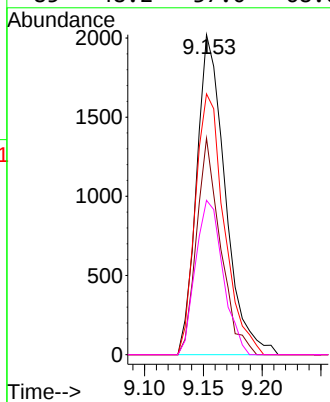
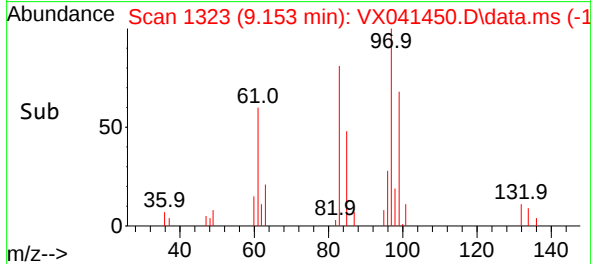
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2024-04



Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.6	43.4	80.6
83	81.5	56.1	104.3
85	48.2	37.0	68.6

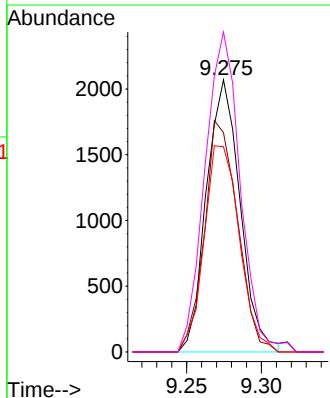
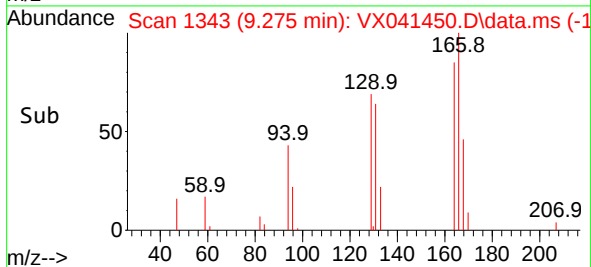
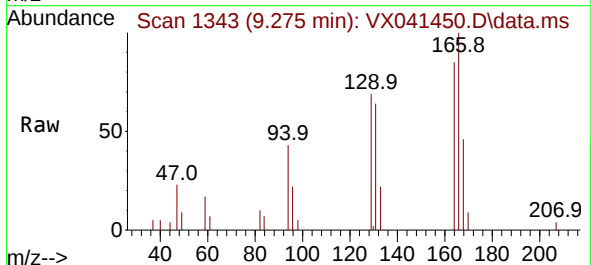
Manual Integrations
APPROVED

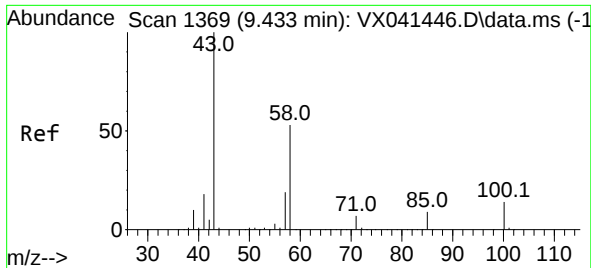
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024



#46
Tetrachloroethene
Concen: 1.805 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

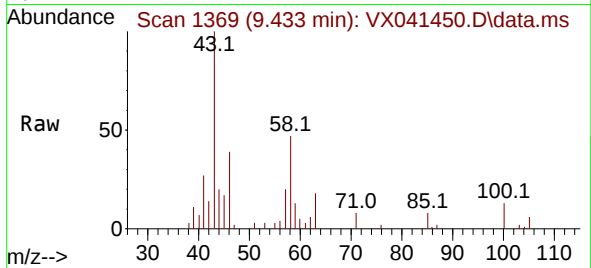
Tgt Ion	Ratio	Lower	Upper
164	100		
129	80.6	59.4	110.4
131	75.4	58.7	108.9
166	117.6	86.7	161.1





#48
2-Hexanone
Concen: 4.072 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

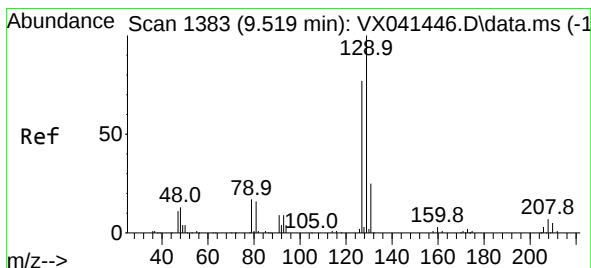
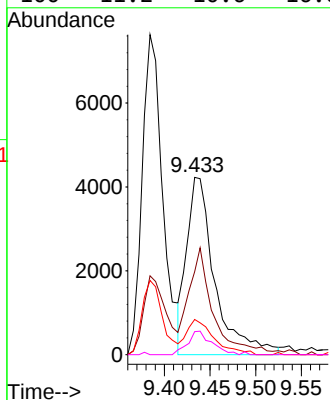
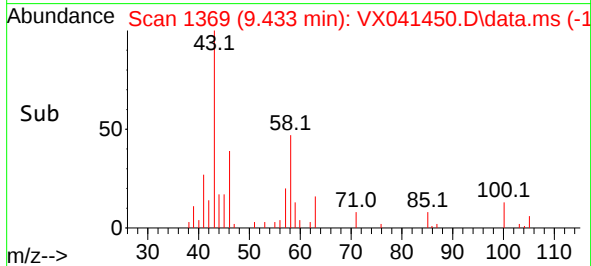
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2024-04



Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
58 50.7 42.3 63.5
57 19.6 15.1 22.7
100 11.2 10.6 16.0

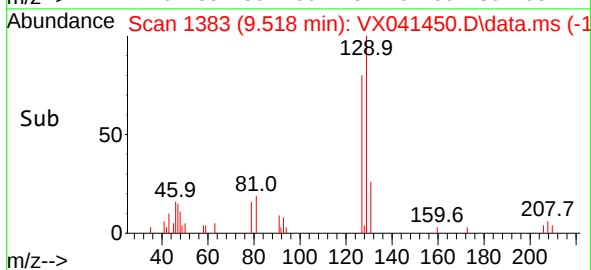
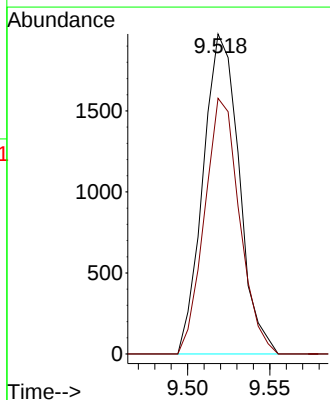
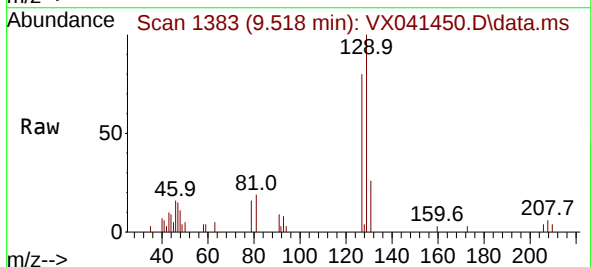
Manual Integrations
APPROVED

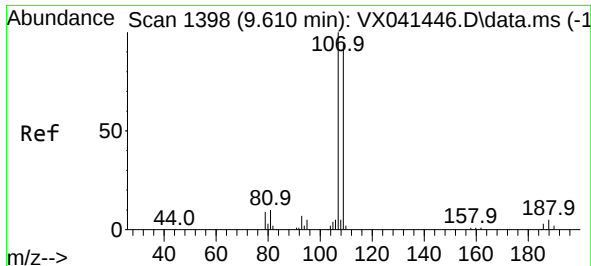
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024



#49
Dibromochloromethane
Concen: 1.561 ug/L
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

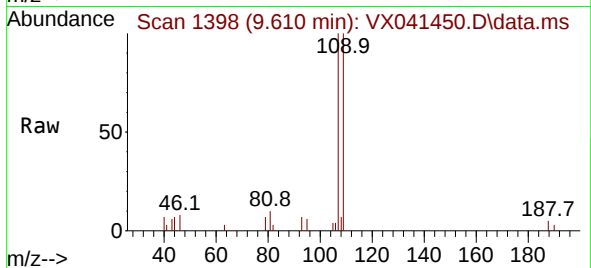
Tgt Ion:129 Resp: 3011
Ion Ratio Lower Upper
129 100
127 79.9 54.4 101.0





#50
1,2-Dibromoethane
Concen: 1.839 ug/L
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

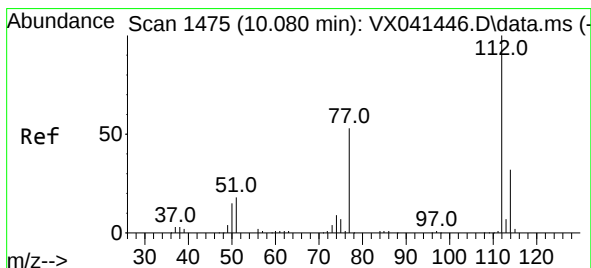
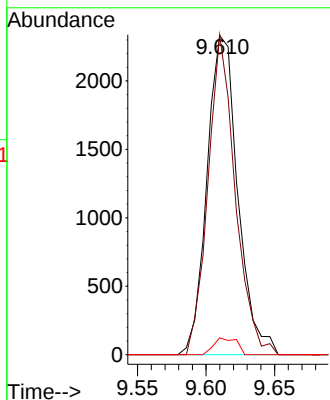
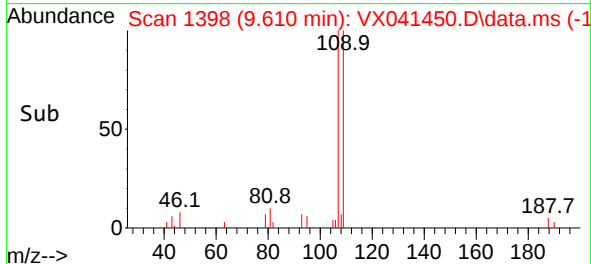
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2024-04



Tgt Ion:107 Resp: 365
Ion Ratio Lower Upper
107 100
109 100.3 66.1 122.7
188 5.3 4.0 6.0

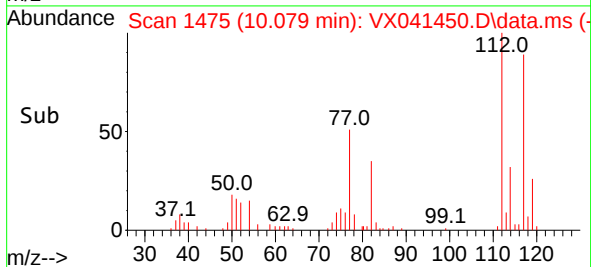
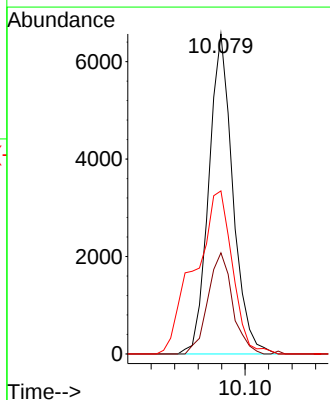
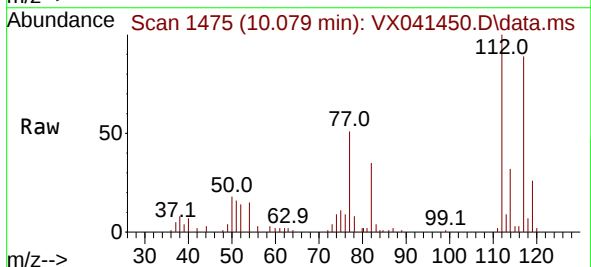
Manual Integrations
APPROVED

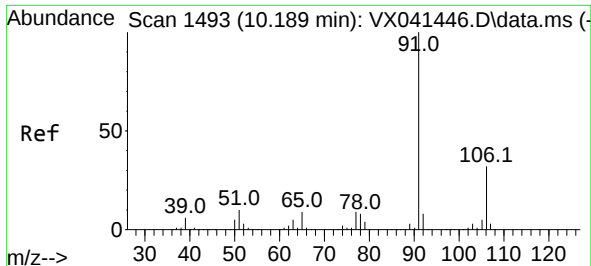
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024



#51
Chlorobenzene
Concen: 1.870 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

Tgt Ion:112 Resp: 9326
Ion Ratio Lower Upper
112 100
114 31.6 22.0 41.0
77 51.0 41.7 62.5





#52

Ethylbenzene

Concen: 1.736 ug/L

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2024-04

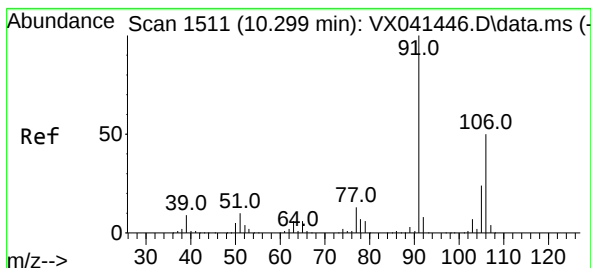
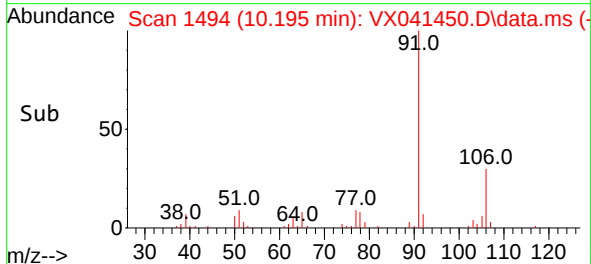
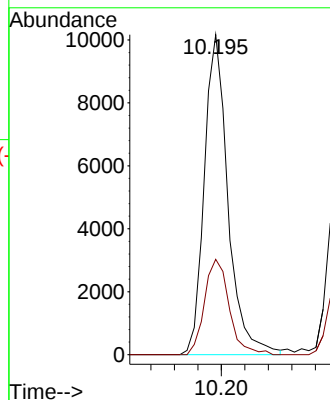
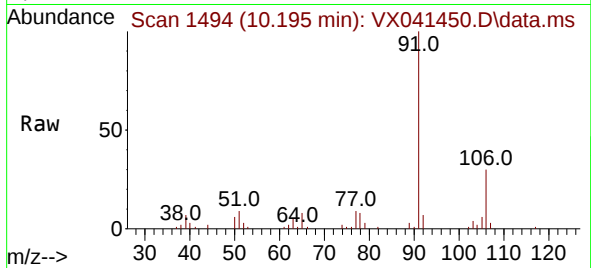
Tgt Ion: 91 Resp: 14240
 Ion Ratio Lower Upper
 91 100
 106 29.8 22.2 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/13/2024

Supervised By :Mahesh Dadoda 05/13/2024



#53

m,p-Xylene

Concen: 1.642 ug/L

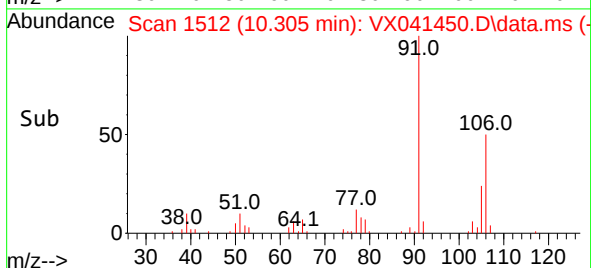
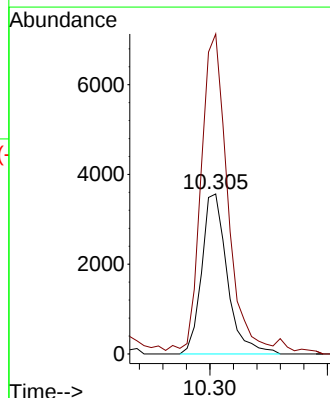
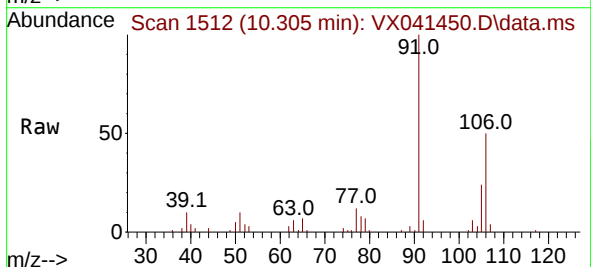
RT: 10.305 min Scan# 1512

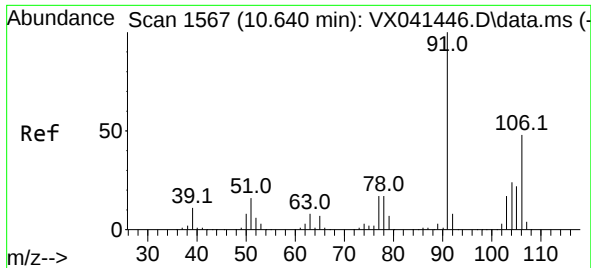
Delta R.T. 0.006 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Tgt Ion:106 Resp: 5389
 Ion Ratio Lower Upper
 106 100
 91 199.9 138.1 256.5





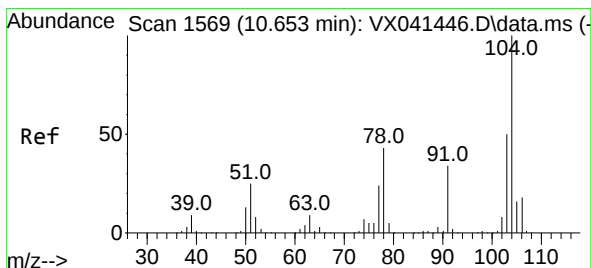
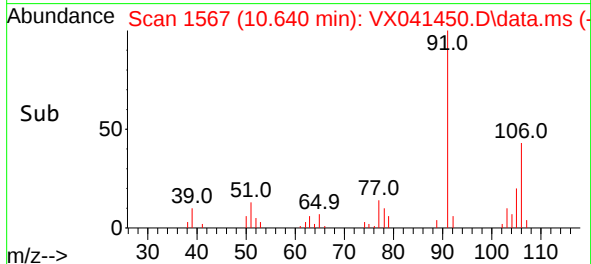
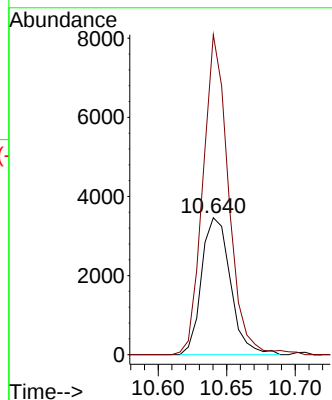
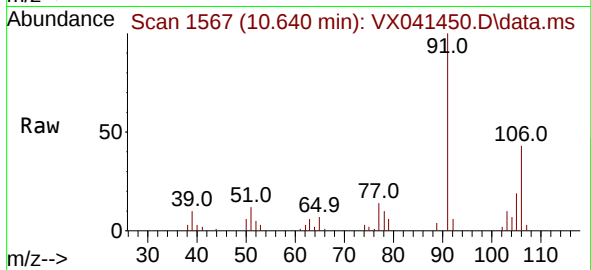
#54
o-Xylene
Concen: 1.515 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2024-04

Tgt Ion:106 Resp: 5060
Ion Ratio Lower Upper
106 100
91 233.7 148.4 275.6

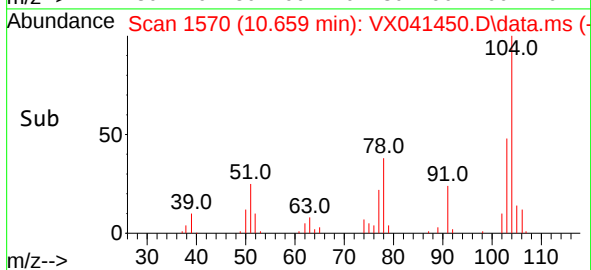
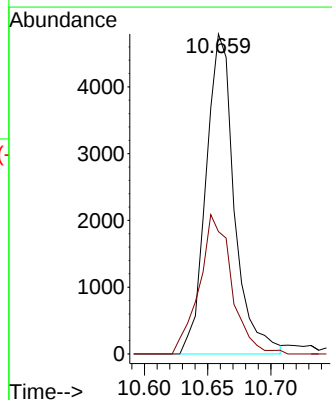
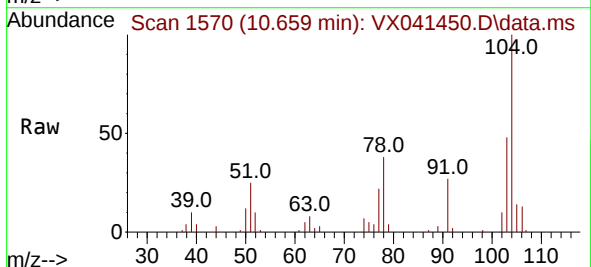
Manual Integrations
APPROVED

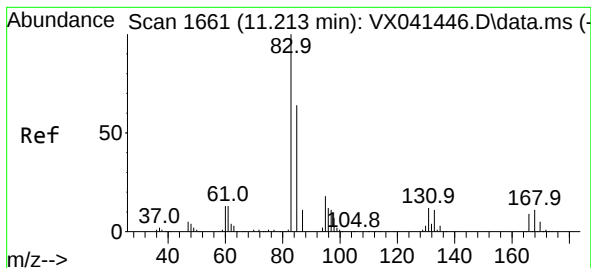
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024



#55
Styrene
Concen: 1.338 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

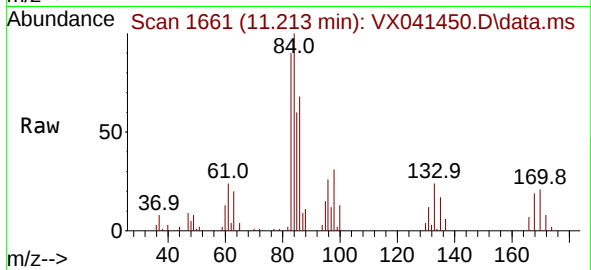
Tgt Ion:104 Resp: 7476
Ion Ratio Lower Upper
104 100
78 38.3 31.2 58.0





#57
1,1,2,2-Tetrachloroethane
Concen: 2.078 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

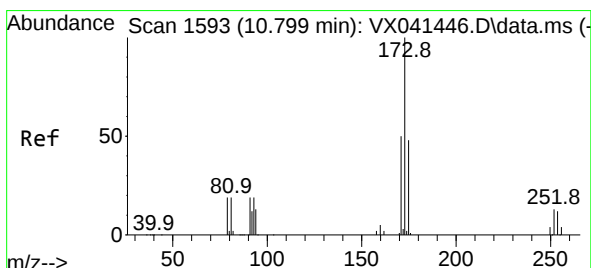
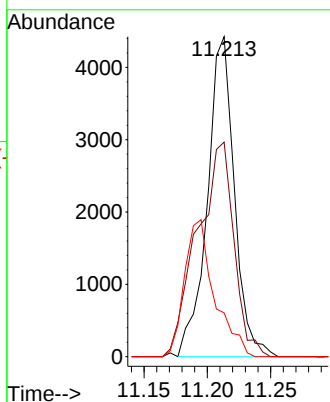
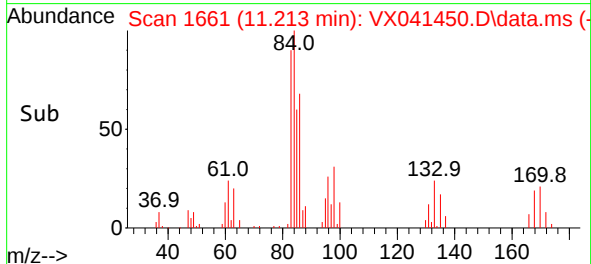
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2024-04



Tgt Ion: 83 Resp: 6580
Ion Ratio Lower Upper
83 100
85 67.0 45.4 84.4
131 13.7 9.0 13.4

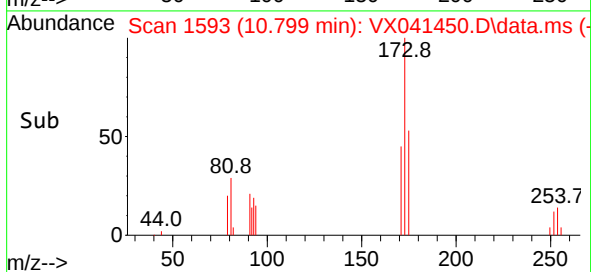
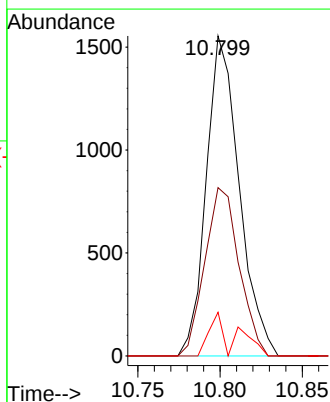
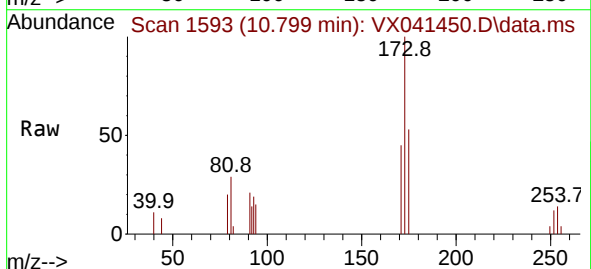
Manual Integrations
APPROVED

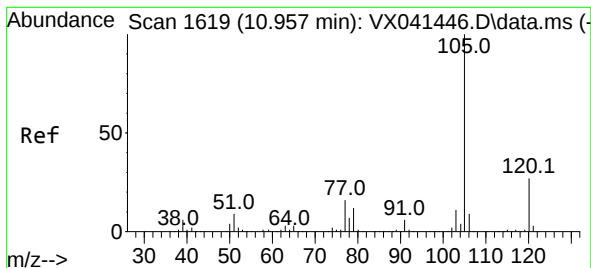
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024



#59
Bromoform
Concen: 1.388 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

Tgt Ion:173 Resp: 2164
Ion Ratio Lower Upper
173 100
175 54.7 38.6 58.0
254 5.5 10.0 15.0





#60

Isopropylbenzene

Concen: 1.646 ug/L

RT: 10.963 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2024-04

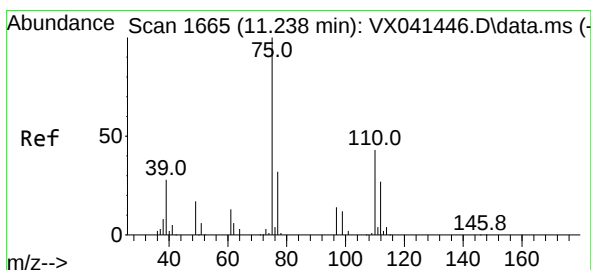
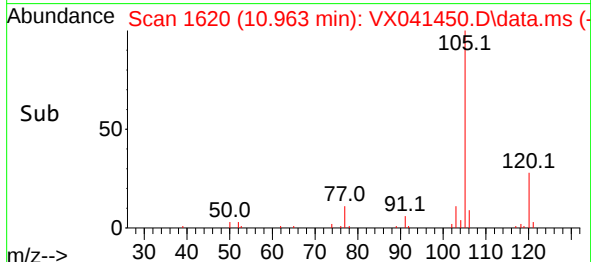
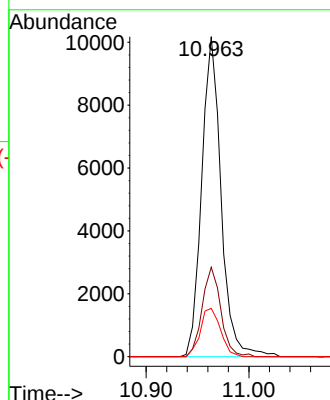
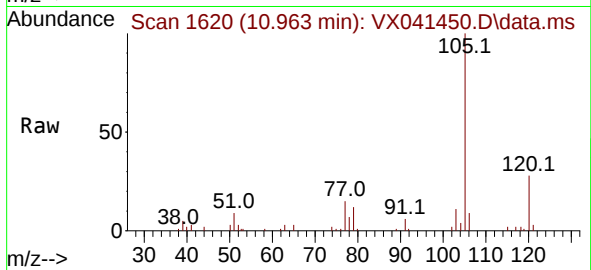
Tgt Ion:	105	Resp:	1338
Ion Ratio	Lower	Upper	
105	100		
120	26.6	22.0	33.0
77	15.7	12.1	18.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/13/2024

Supervised By :Mahesh Dadoda 05/13/2024



#61

1,2,3-Trichloropropane

Concen: 1.902 ug/L

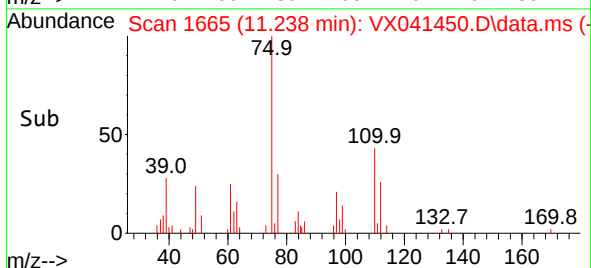
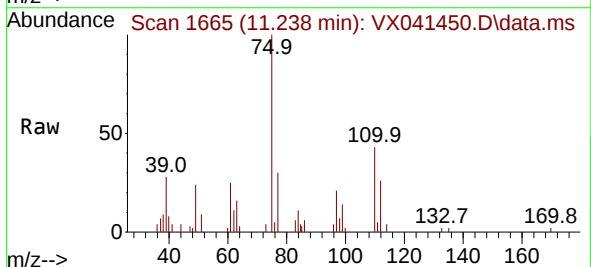
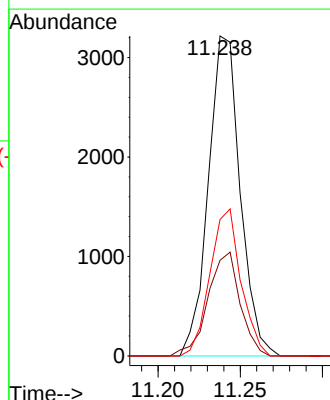
RT: 11.238 min Scan# 1665

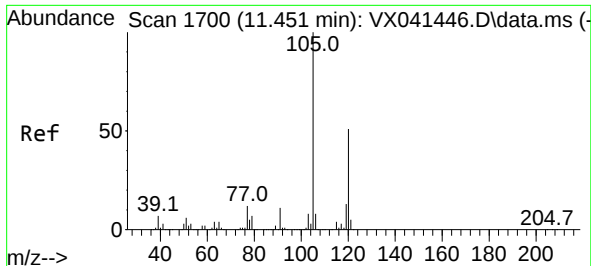
Delta R.T. -0.000 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Tgt Ion:	75	Resp:	4332
Ion Ratio	Lower	Upper	
75	100		
77	32.7	25.8	38.6
110	44.6	34.8	52.2





#62

1,3,5-Trimethylbenzene

Concen: 1.633 ug/L

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2024-04

Tgt Ion:105 Resp: 896

Ion Ratio Lower Upper

105 100

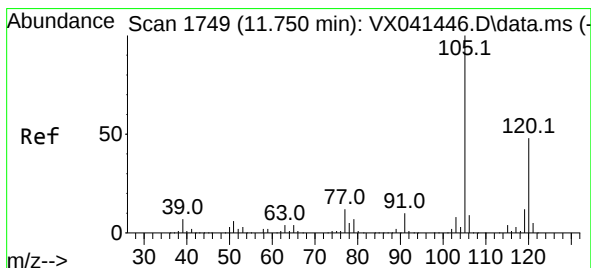
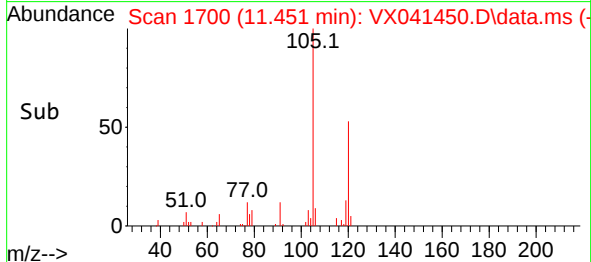
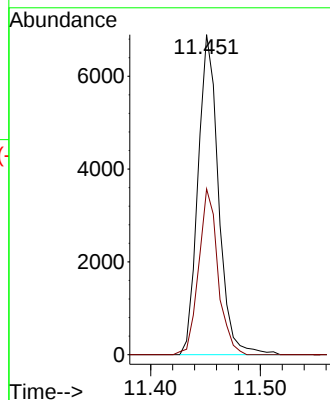
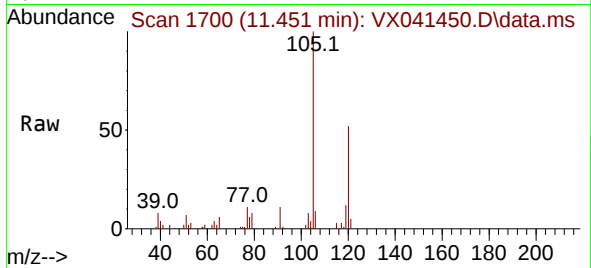
120 48.6 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/13/2024

Supervised By :Mahesh Dadoda 05/13/2024



#63

1,2,4-Trimethylbenzene

Concen: 1.671 ug/L

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX041450.D

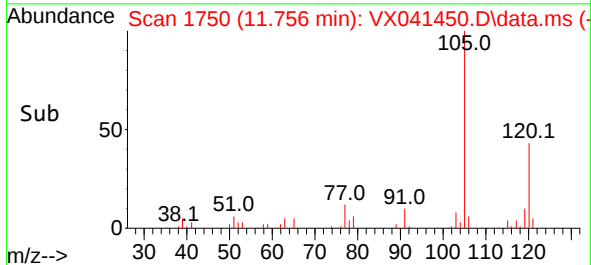
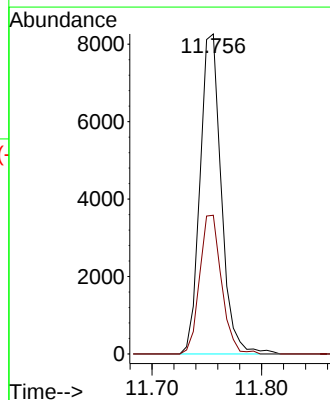
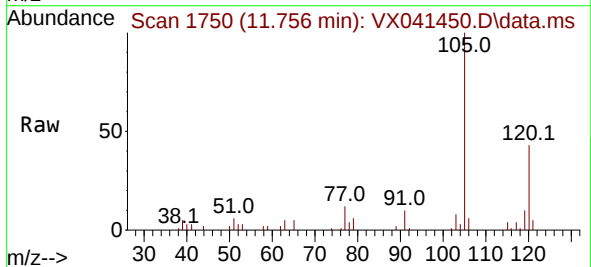
Acq: 10 May 2024 10:59

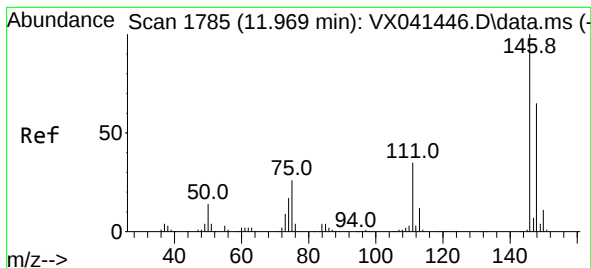
Tgt Ion:105 Resp: 11115

Ion Ratio Lower Upper

105 100

120 44.4 37.9 56.9





#64

1,3-Dichlorobenzene

Concen: 1.854 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

Instrument :

MSVOA_X

ClientSampleId :

MDL-MED-SOIL-QT2-2024-04

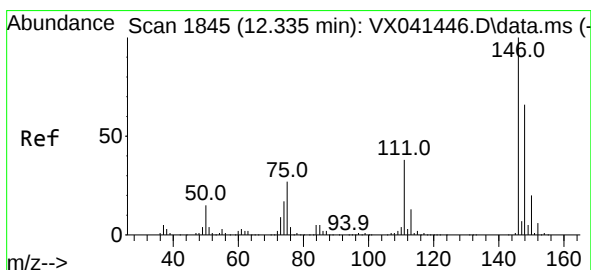
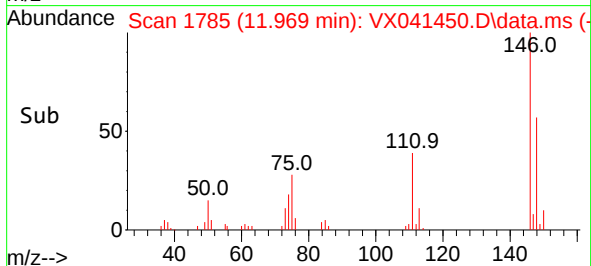
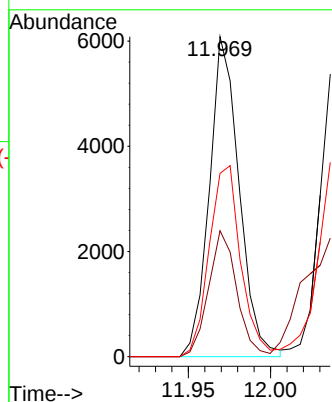
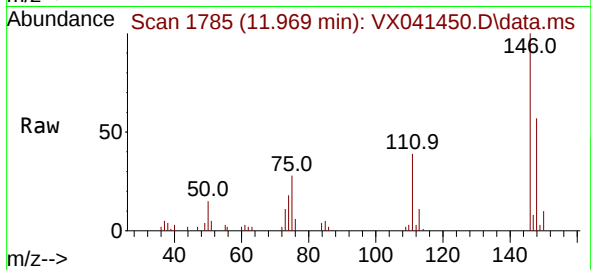
Tgt Ion:146	Resp:	766
Ion Ratio	Lower	Upper
146	100	
111	39.4	24.8 46.1
148	57.3	44.8 83.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/13/2024

Supervised By :Mahesh Dadoda 05/13/2024



#67

1,2-Dichlorobenzene

Concen: 1.965 ug/L

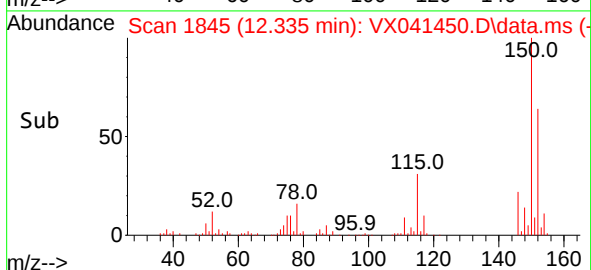
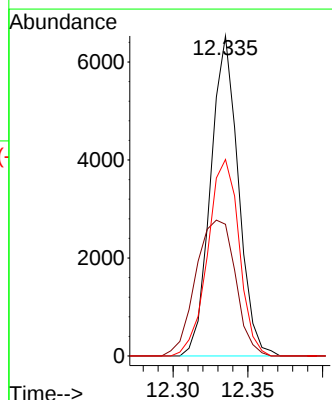
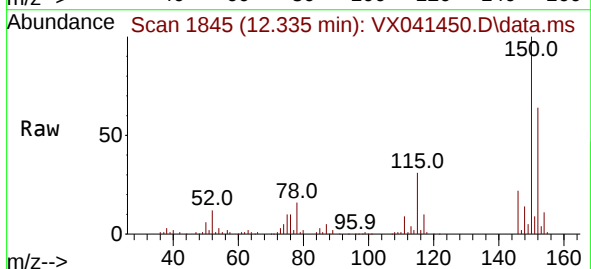
RT: 12.335 min Scan# 1845

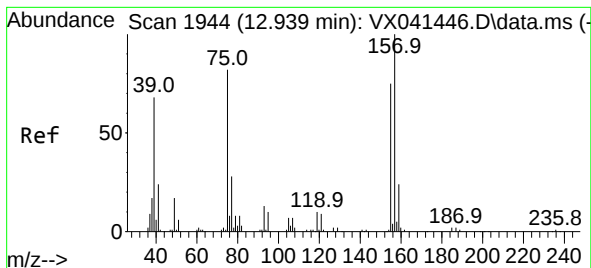
Delta R.T. -0.000 min

Lab File: VX041450.D

Acq: 10 May 2024 10:59

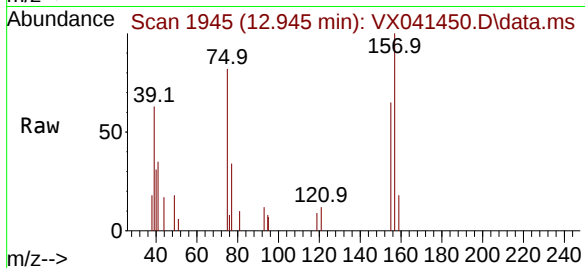
Tgt Ion:146	Resp:	8413
Ion Ratio	Lower	Upper
146	100	
111	41.2	30.2 45.2
148	61.4	52.3 78.5





#68
1,2-Dibromo-3-chloropropane
Concen: 1.702 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

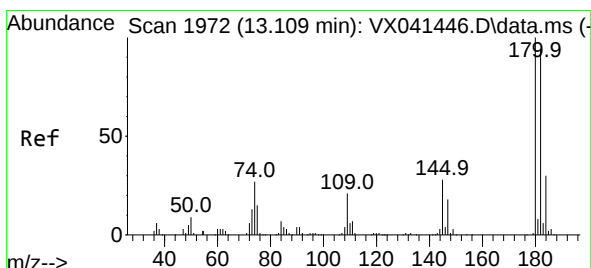
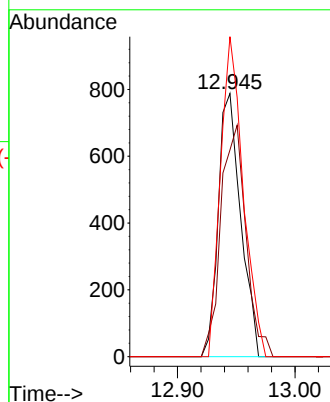
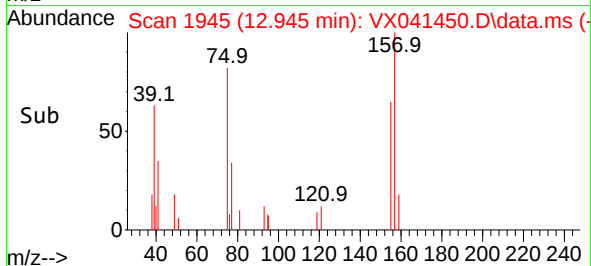
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT2-2024-04



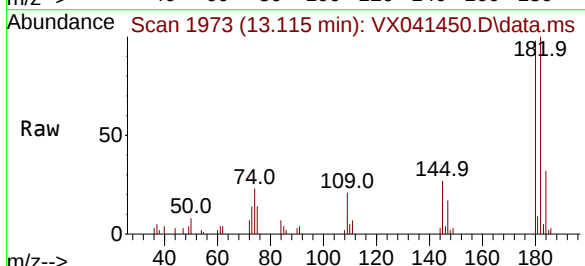
Tgt Ion: 75 Resp: 104
Ion Ratio Lower Upper
75 100
155 78.6 83.2 124.8
157 121.6 103.0 154.6

Manual Integrations
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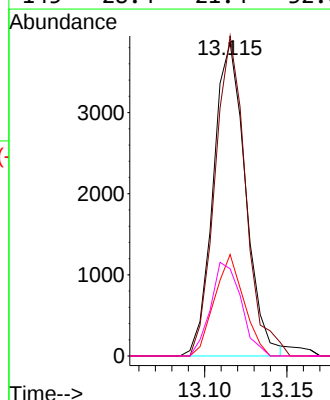
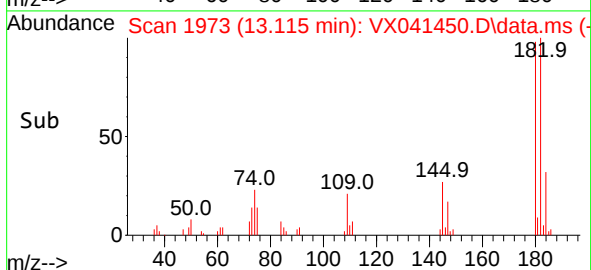
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024

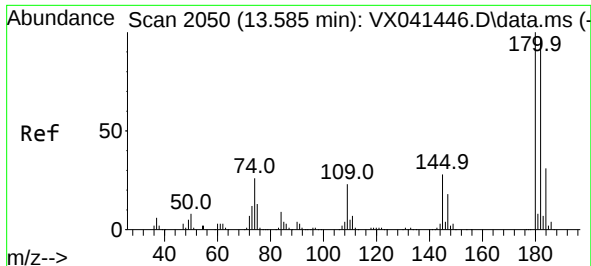


#69
1,3,5-Trichlorobenzene
Concen: 1.704 ug/L
RT: 13.115 min Scan# 1973
Delta R.T. 0.006 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59



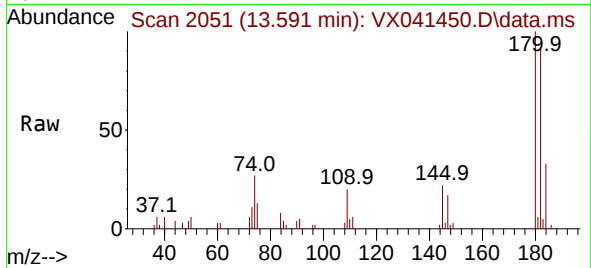
Tgt Ion:180 Resp: 5258
Ion Ratio Lower Upper
180 100
182 97.3 76.9 115.3
184 29.4 24.3 36.5
145 28.4 21.4 32.0





#70
1,2,4-trichlorobenzene
Concen: 1.600 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59

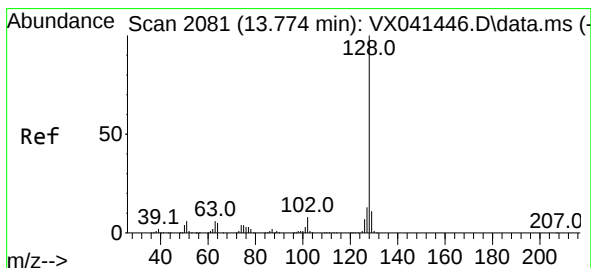
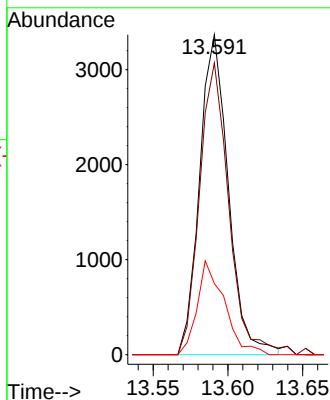
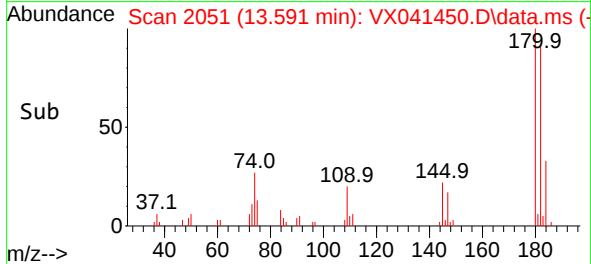
Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT2-2024-04



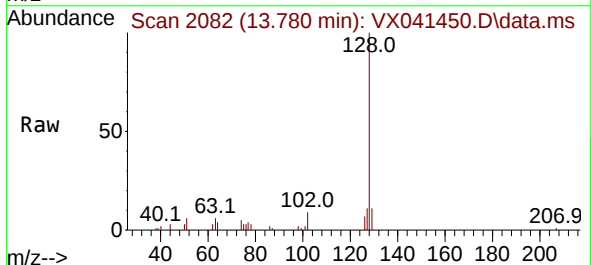
Tgt Ion:180 Resp: 4508
Ion Ratio Lower Upper
180 100
182 92.1 76.3 114.5
145 26.6 22.0 33.0

Manual Integrations
APPROVED

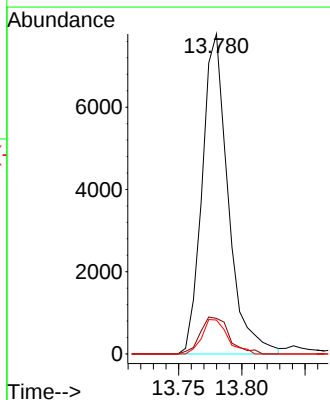
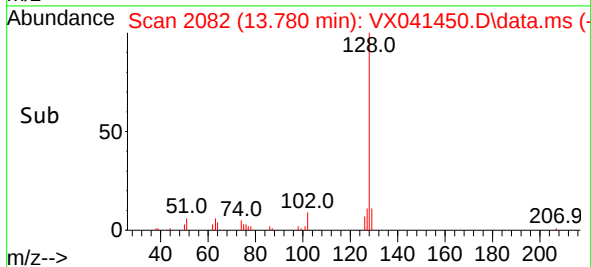
Reviewed By :John Carlone 05/13/2024
Supervised By :Mahesh Dadoda 05/13/2024

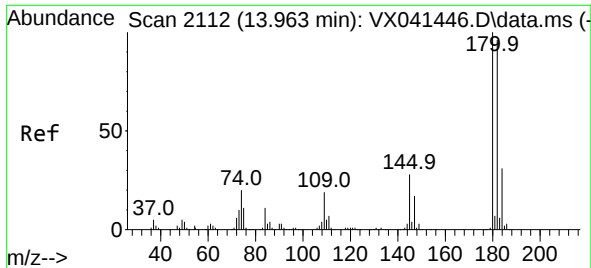


#71
Naphthalene
Concen: 1.325 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041450.D
Acq: 10 May 2024 10:59



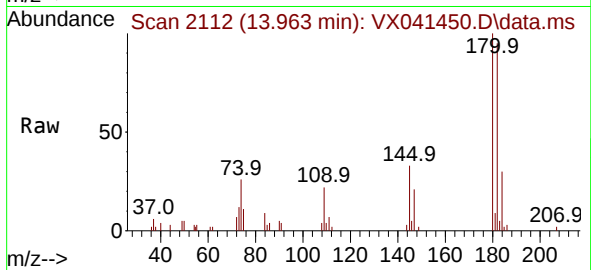
Tgt Ion:128 Resp: 11150
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.6 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 1.606 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX041450.D
 Acq: 10 May 2024 10:59

Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT2-2024-04



Tgt Ion:180 Resp: 4720
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.5 116.3
 145 29.1 23.8 35.8

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/13/2024
 Supervised By :Mahesh Dadoda 05/13/2024

